



**GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI**

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**Note:**

Gree is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

All features and specifications are subject to change without prior notice.

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GC-1409-01



Distributor information

**GREE**  
AIR CONDITIONER

RAC LATIN AMERICA 2015

**G**  
**RAC**  
LATIN  
AMERICA 2015



Gree Electric Appliances Inc. of Zhuhai, founded in 1991, is the world's largest air conditioner enterprise integrating R&D, manufacturing, marketing and service.

- 2012, Gree became the first listed electrical appliances enterprise in China with sales revenue over 16 billion USD (RMB 100 billion).
- 2013, GREE's sales revenue exceeded 19 billion USD.

Gree has been ranked on the Fortune Magazine as one of the Top 100 Chinese listed companies for 12 consecutive years.

Thanks to 300 million user's choices, Gree products are sold widely in more than 200 countries and regions. Today Gree's annual production capacity of RAC and CAC are more than 60 million sets and 5.5 million sets respectively.

Action makes the future and innovation makes achievement. Looking forward, Gree will firmly persist in the business philosophy of passion, innovation and realization. We aim to build a century's standing air conditioning enterprise, to create a better life for human.

*For the Clearer Sky and Greener Earth.*



1 in 3 air conditioners sold worldwide is made by Gree

مكيفر گازى  
مكيف الهواء  
air conditioner  
랭온풍기 에어컨  
एअर कन्डिशनर  
空调 climatiseur  
acondicionador de aire  
ar condicionado  
300,000,000 users

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

**No. 1**  
air conditioner  
manufacturer





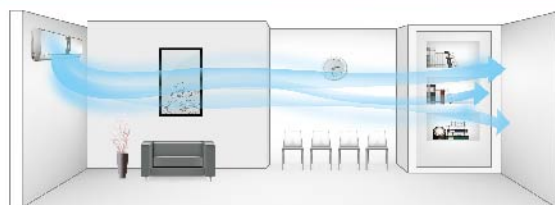
## Ceiling Cooling



## Floor Heating

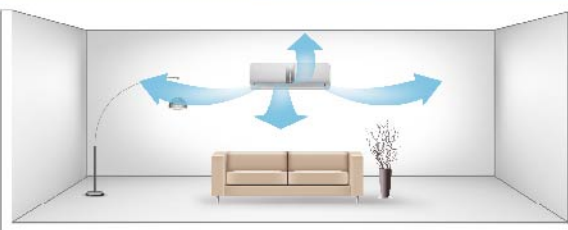


### "Turbo" Cooling



Press "Turbo" button on remote controller to enjoy a larger air flow, which enables the indoor temperature to reach the set temp in a shorter time.

### 4-way Air Outlet



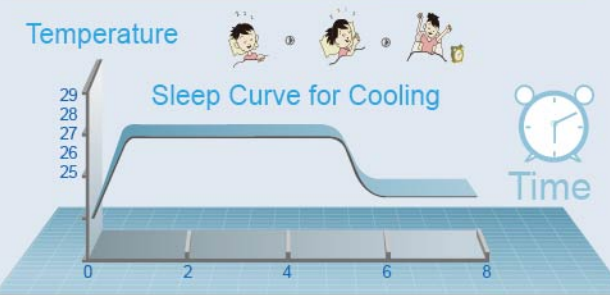
The louver can be vertically or horizontally adjusted so as to maximize comfort in the room.

### 7 Fan Speeds

From super low to turbo, choose desired air flow.



### 3 Sleep Curves

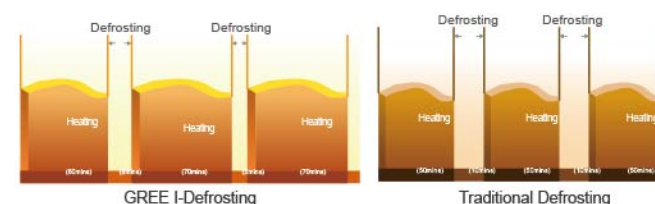


#### 3 Sleep Curves

- Mode 1: Indoor temperature automatically rises (when cooling) or drops (when heating).
- Mode 2: Featuring unique refreshment function, the temperature is automatically adjusted to be a little lower before you wake up.
- Mode 3: You could design your own sleep curve under DIY mode.



### Intelligent Defrosting



Maximize warm comfort with shorter defrosting time. Traditional defrosting works by setting time. E.g. defrosting process is on for 10 mins for every 50mins. Gree I-Defrosting is only performed when needed, which reduces energy waste by eliminating the unnecessary defrosting process.

### Low Noise



Noise lowers to 21dB, making you feel like staying on the Moon.

### Functions for Low Ambient Temperature



#### 8°C Heating

Maintain the room temperature steadily at 8°C and prevent the room from freezing by heating operation when nobody is at home for long in severe winter.

#### -15°C Cooling

Cooling at -15°C while keep a reliable operation. As the outdoor temperature changes, the frequency of compressor and the speed of fan adjusts accordingly.

#### -20°C Heating

Operate finely when heating at -20°C. It is supported by GREE's electrical heating chassis, preheating technology and frequency-adjusting compressor.

#### Cold Air Prevention

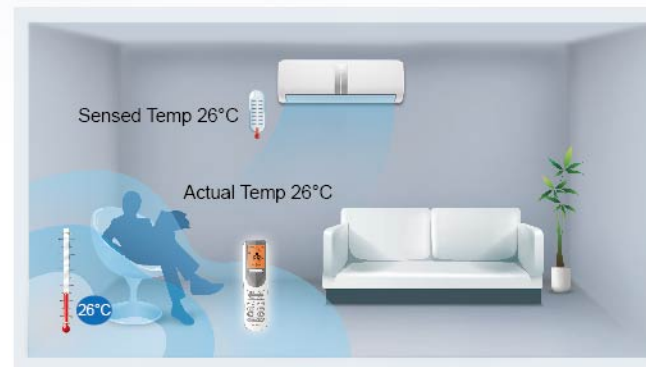
The copper pipe will be heated in advance, so the air will not be blown out before it reaches the set temperature.



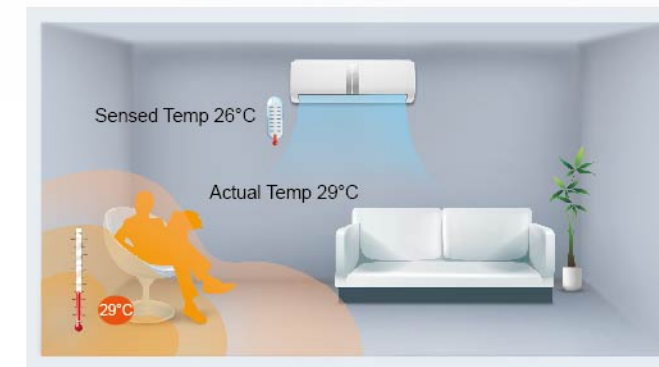
- |   |  |  |  |  |   |   |   |
|---|--|--|--|--|---|---|---|
| <b>FAN</b><br>Choose fan speed            | <b>MODE</b><br>Change operation mode: Auto, Cool, Dry, Fan, and Heat | <b>-</b><br>Decrease set temperature; hold the button for 2 seconds to decrease set temperature rapidly. | <b>+</b><br>Raise set temperature; hold the button for 2 seconds to raise set temperature rapidly.                         | <b>TURBO</b><br>For rapid cooling or heating   | <br>Press this button to set horizontal swing angle | <br>Set vertical swing angle                      | <b>CLOCK</b><br>Set present time or display timer                             |
| <b>TIMER OFF</b><br>For turning off timer | <b>TEMP</b><br>Show set indoor/outdoor temperature                   | <br>Start the ventilation system or generate cold plasma   | <b>IFEEL</b><br>Operation of the unit will be adjusted according to temperature sensed by remote to maximize your comfort. | <b>SLEEP</b><br>Air conditioner will run according to the preset sleep temperature curve | <b>QUIET</b><br>Choose auto quiet mode.             | <b>LIGHT</b><br>Turn on/off the light on the unit | <b>X-FAN</b><br>Start/stop indoor fan which is used for drying the components |

## I Feel

The mini sensor in the remote controller can sense its surrounding temperature, and transmit the signal back to the indoor unit. So the unit can adjust the air flow volume and temperature accordingly so as to provide maximum comfort.

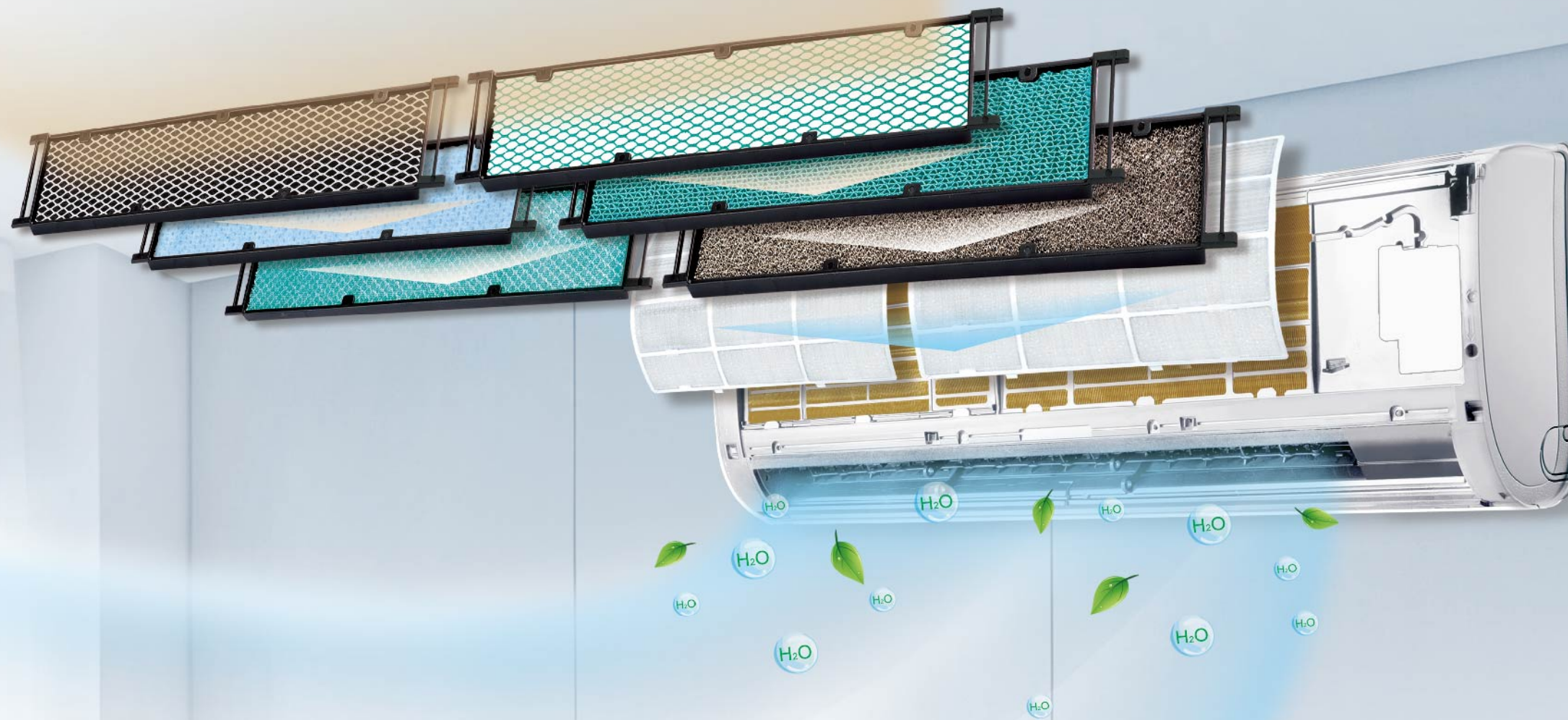


Remoter with I Feel



Remoter without I Feel





#### Photocatalytic Filter

This filter is able to completely oxidize and degrade organic contaminants. It can effectively eliminate 99.9% of bacteria, viruses and unpleasant smell.



#### Catechin Filter

Catechin is extracted from green tea. It can effectively eliminate 95% of carcinogenic agents, such as staphylococcus, streptococcus, salmonella, etc.



#### Active Carbon Filter

Activated carbon can effectively adsorb smoke, pet odors, and other unpleasant odors.



#### Silver Ion Filter

Silver ion is able to sterilize 99% of bacteria by suppressing proliferation of mold and bacteria and preventing the causes of unpleasant odors.

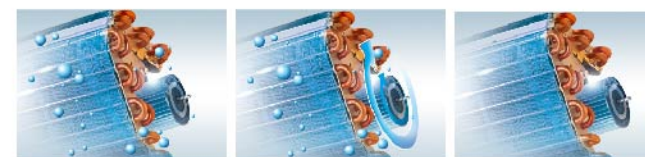


#### Multi-function Filter

Combine 3 filters from 6 different types including acar bacterium filter, silver ion filter, catechin filter, chitin filter, formaldehyde beater filter and vitamin C filter to meet your various needs simultaneously.

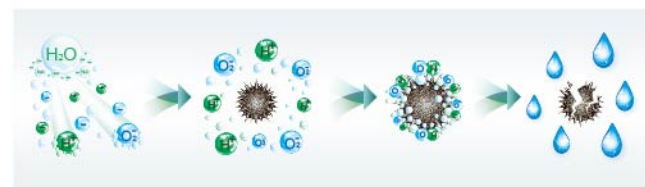
#### Auto Clean (X-FAN)

Cross fan continues blowing to dry inside of indoor unit after switching off the unit so as to keep clean and healthy.



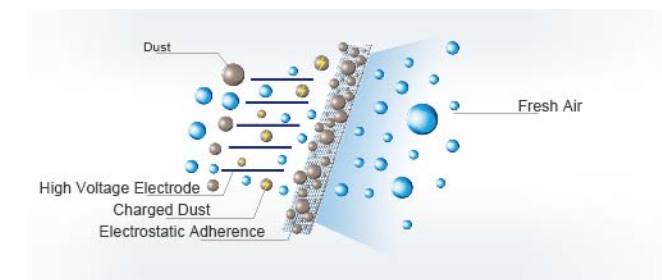
#### Cold Plasma

Effective sterilization with more than 90% of bacteria killed  
Odor removal  
Air nutrition improvement with more negative oxygen ions



#### Electrostatic Dedusting Generator

By making use of the principle of electrostatic adherence, it can effectively absorb the dust from the air. With detachable design, it is easy for complete cleaning to ensure the quality air.



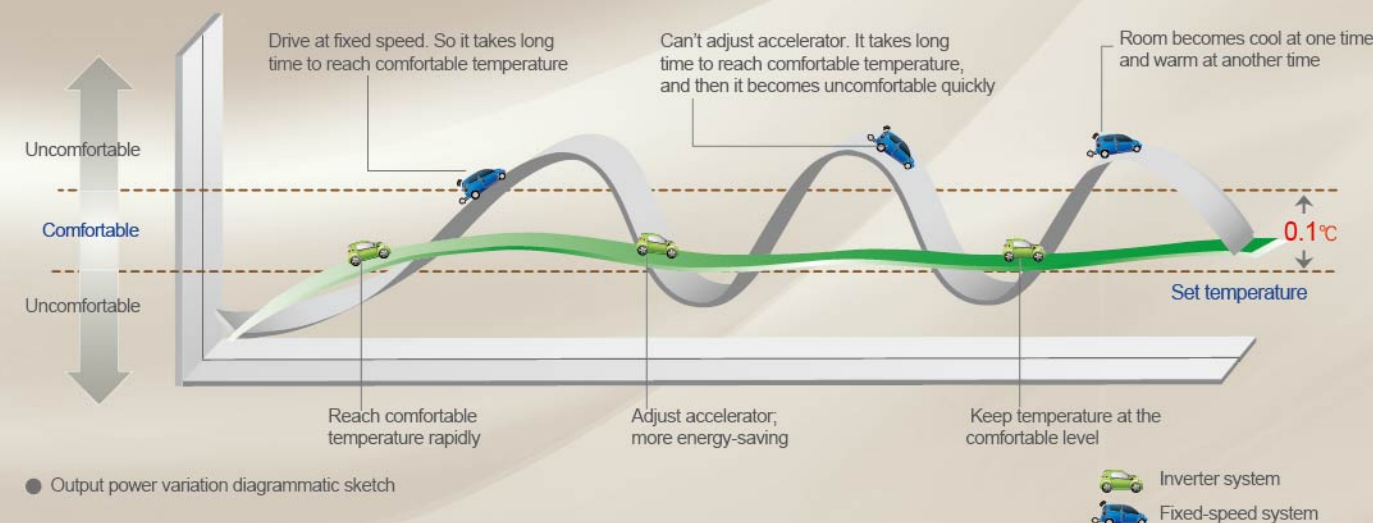
\* Notes: Applicable to some selected models



# INVERTER



## How Inverter Saves Energy



Faster Cooling



Precise Temp Control



Energy Saving



Eco-friendly Refrigerant

## G<sup>10</sup> Inverter

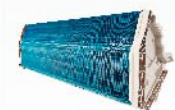
- |   |  |  |
|---|--|--|
| <b>Ultra low frequency torque control</b> <ul style="list-style-type: none"> <li>Constant temperature</li> <li>Energy saving</li> </ul> | <b>Environment-friendly R410A refrigerant</b> <ul style="list-style-type: none"> <li>Low-carbon design</li> <li>High efficiency</li> </ul> | <b>Automatic voltage adaptation (150-260V)</b> <ul style="list-style-type: none"> <li>More stability</li> <li>Less damage</li> </ul> |
| <b>High-speed DSP chip</b> <ul style="list-style-type: none"> <li>Accurate calculation</li> <li>Efficient operation</li> </ul>          | <b>Ultra-low noise control</b> <ul style="list-style-type: none"> <li>Quiet</li> <li>Comfortable</li> </ul>                                | <b>High reliability</b> <ul style="list-style-type: none"> <li>Excellent quality</li> <li>Superior performance</li> </ul>            |
| <b>Wide frequency precise control</b> <ul style="list-style-type: none"> <li>Unceasing operation</li> <li>Accurate control</li> </ul>   | <b>Computer simulation control</b> <ul style="list-style-type: none"> <li>Less fluctuation</li> <li>Lower noise</li> </ul>                 | <b>UHF flux-weakening control</b> <ul style="list-style-type: none"> <li>Rapid cooling</li> <li>Rapid heating</li> </ul>             |
| <b>Power factor correction technology</b> <ul style="list-style-type: none"> <li>High efficiency</li> <li>Better protection</li> </ul>  |  |  |

## Key Points for Reaching High Efficiency

### Refrigeration System



High efficiency and stable running compressor



High efficiency and larger heat exchanger with optimized piping system



High-efficiency electronic expansion valve (EEV) controls refrigerant flow precisely

### Air Flow System



Enlarged air intake and outlet



Optimized cross fan design with larger air volume and enhanced heat exchange efficiency



Optimized axial fan design with larger diameter to increase air volume and enhance heat exchange efficiency

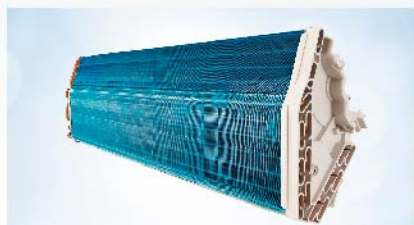
### Control System



Cutting-edge chip for precise inverter control







#### Integrated Evaporator

Compact design minimizes IDU size but enhances heat exchange greatly.



#### Integrated Design

Integrated rear base and water tray design avoid water leakage and reduce noise.



#### Dual Side Installation

Left or right side water outlet, easy for installation.



#### Auto Restart

When the power is off and then on, the unit automatically restores the previous function setting.



#### Fire-proof electric box

Electric box sealed by metal casing could prevent fire in case of short-circuit.



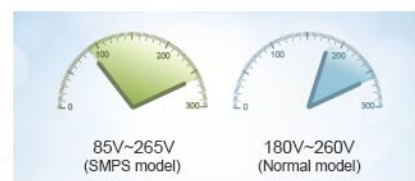
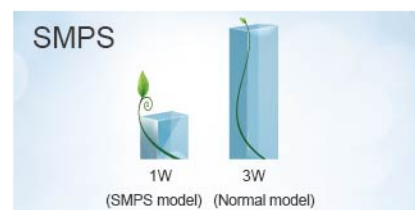
#### 170V Low Voltage Start Up

The unit could operate from 170V to 265V, which is suitable for unstable power supply areas.

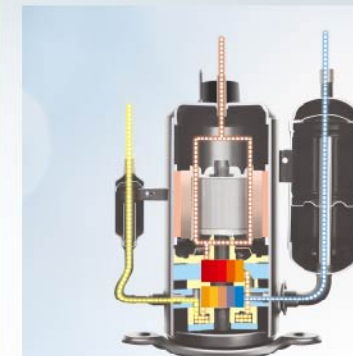


#### Self-diagnosis

The unit shows error code automatically to facilitate maintenance when it does not work well.

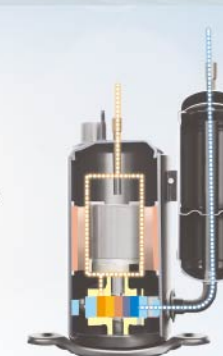


Better PCB protection between 85V-265V.



2-Stage compressor

VS



Traditional Compressor



#### Easy Handle

The ODU is equipped with a handle for easier transportation and protection of wiring terminal and valves.



#### High efficient and Quiet Fan

Gree's transparent axial fan is resistant to high temperature and operates quietly.



#### Improved Base Pan Design

Condensing water will flow easily and not be frozen on the base pan. It also improves heating efficiency during low temp operation.



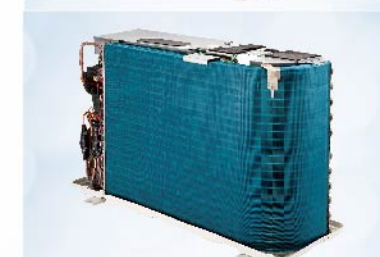
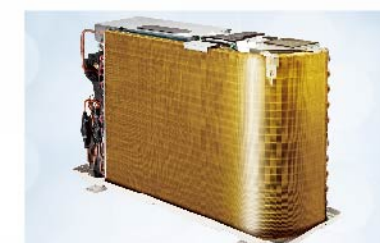
#### High Temp Resistance PCB

In the inverter outdoor unit, the PCB could work well even when temp is up to 85°C, and also metal casing is fire-proof.



#### Plastic Casing ODU Anti-corrosion ODU

Rust-free for installation and operation in the salty climate.





















































#### Golden/Blue Fin

It can improve the heating efficiency by accelerating the defrosting process, and also be resistant to the salty air, rain and other corrosive elements.



# PRODUCTS OVERVIEW

Series		Capacity (Btu/h)	5000	6000	7000	8000	9000	10000	12000	14000	15000	18000	21000	24000	28000	30000	36000	48000	Page
Wall-mounted Type																			
U-Crown 	R410A Inverter																		15
Solar Hybrid Power Air Con 	R410A Inverter																		17
Hansol 	R410A Inverter																		19
U-Cool 	R410A Inverter																		21
Lomo 	Lomo 16 SEER																		23
	Lomo 22 SEER																		25
	Lomo 2.72 EER																		27
Cozy 	R410A Inverter																		28
Change 	R410A Inverter																		31
Bee 	R410A On/Off																		34
	R22 On/Off																		
Window Type		Capacity (Btu/h)	5000	6000	7000	8000	9000	10000	12000	14000	15000	18000	21000	24000	28000	30000	36000	48000	
Curve 	R410A On/Off																		39
Doophi 	R410A On/Off																		41
Coolani 	R22 On/Off																		43
PTAC 	R410A On/Off																		45

Series		Capacity (Btu/h)	6000	7000	8000	9000	10000	12000	14000	15000	18000	21000	24000	28000	30000	36000	48000	Page
Portable Type																		
Koobe		On/Off																49
Cutee		On/Off																50
Easy cool		On/Off																51
Laffis		On/Off																52
Dehumidifier		Dehumidifying Volume (Pints/D)	25	28	30	40	45	50	65	70	100							
Sunny																		53
Diamond																		54
Precise																		55
Grandeur																		56
Air Purifier																		57
Light Commercial		Capacity (Btu/h)	9000	12000	14000	18000	21000	24000	28000	30000	36000	42000	48000	56000	60000			
Free Match 2																		58
Free Match 3																		63
Super Free-Match																		67
U-Match																		75



# U-CROWN



Timer



Light Function



R410A



Auto Clean



Lock



LED Display



LED backlight  
remote control



3.5m  
connecting pipe



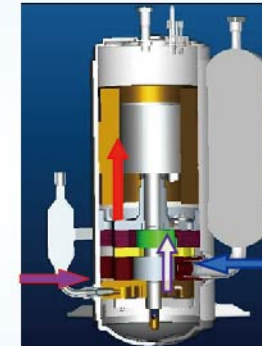
Dehumidifying

Features: ● Standard ● Optional

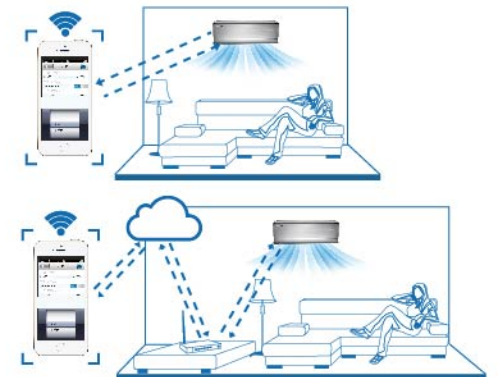
## Wide Ambient Operation Range

From -30°C to 54°C Ultra low ambient heating with 2-stage compressor  
Operation sketch map of 2-Stage compressor

Blue: Low-pressure suction  
Purple: Medium-pressure inflation  
Red: High-pressure discharge



## Wifi-Control

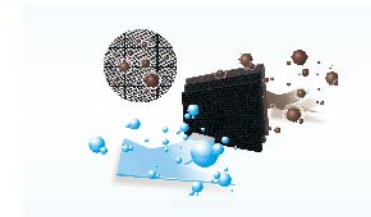


## Intense Field Dielectric (IFD)

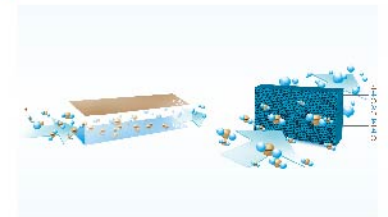
Competent in catching PM2.5



First-stage filtering of PM2.5



Efficient at removing PM 2.5



Model			GWH09UB-K3DNA4F	GWH12UB-K3DNA4F	GWH18UC-K3DNA4F
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000	12000	18000
	Heating	Btu/h	10200	12300	18000
	Pdesignh(A) Pdesignh (C)		9200/9200	10200/10200	17700/18000
EER/C.O.P		W/W	4.33/3.75	3.8/3.71	3.3/3.72
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	600	920	1600
	Heating	W	750	1020	1420
Rated Current	Cooling	A	6.5	6.8	9.1
	Heating	A	6.8	7.1	10.6
Airflow Volume	Indoor	m³/h	650	720	800
Indoor Unit					
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	56/50/48/46	57/51/49/47	58/54/52/48/45/37/34
Outline Dimension	WxHxD	mm	860×305×170	860×305×170	960×320×205
Package Dimension	WxHxD	mm	935×295×388	935×295×388	1043×333×403
Net Weight/Gross Weight	Indoor	kg	12.5/15	12.5/15	15/18
Outdoor Unit					
Sound Pressure Level	Outdoor	dB(A)	62	62	63
Piping Connection	Gas	mm	φ12	φ12	φ12
	Liquid	mm	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	899×596×370	899×596×370	950×700×396
Package Dimension	WxHxD	mm	948×645×420	948×645×420	1029×750×458
Net Weight/Gross Weight	Outdoor	kg	43/46	43/46	51/55.5
Loading Quantity	40'GP	sets	165	165	123
	40'HQ	sets	191	191	141



# Solar Hybrid Power Air Con Series (SHP)



## Advanced Technologies

- Based on pv(Photovoltaic) power generating tech
- Unique PSCM (Power Supply Control Module)

## Energy Saving

- Energy saving up to 97%

## Eco Friendly

- Reduce 257,5kg carbon emission in 10 years



Solar Hybrid Power (SHP) Air Con with intelligent power supply management can freely switches 3 different power supply modes to meet various demands.

## 3 power supply modes

### Mode without AB

Electricity from solar power together with commercial electricity are directly supplied to air con.

### Mode with AB

Electricity from solar power is firstly stored in AB and then supplied to the air con by adapter, together with commercial electricity.

### Mode without Commercial Electricity

Commercial electricity is cut off and the power supply of the unit is completely from solar power.



Model			GWH12MB-D3DNA5C	GWH18MC-D3DNA5C
Capacity (L/S/H)	Cooling	Btu/h	4500/12000/14000	6000/18000/22350
	Heating	Btu/h	3250/13000/14500	4100/25000/25000
Electric Data				
Power Supply		Ph,V,Hz	1Ph, 208/230, 60Hz	1Ph, 208/230, 60Hz
Power Input Rate(L/S/H)	Cooling	W	120/1000/1450	300/1500/2650
	Heating	W	220/1200/1500	335/2750/2750
Solar Power Data				
Open Circuit Voltage		V	22~185	22~185
Short Circuit Current		A	9	9
Maximum Output Power		W	1150	1150
Performance				
EER	Cooling	W/W	3.51	3.52
	Heating	W/W	3.20	2.66
SEER	Cooling	Btu/h/W	20	18
	Heating	Btu/h/W	9.6	10.2
Airflow	Indoor unit	m³/h	510	850
	Outdoor unit	dB(A)	36/32/26	44/40/35
Noise (H/M/L)	Indoor unit	dB(A)	55(H)	54(H)
	Outdoor unit	dB(A)		
With Solar Power of 1150W				
Electric Power Input Rate (L/S/H)	Cooling	W	30/30/300	30/1600/1600
	Heating	W	30/50/350	30/1600/1600
Energy Saving Rate	Cooling		97%	76%
	Heating		95%	42%
Dimension & Weight				
Body Dimension (W×H×D)	Indoor unit	mm	845×275×180	940×298×200
	Outdoor unit	mm	848×540×320	955×700×396
Package Dimension (W×H×D)	Indoor unit	mm	918×370×258	1013×300×383
	Outdoor unit	mm	881×595×363	1029×750×458
Net Weight / Gross Weight	Indoor unit	Kg	11/14	13/17
	Outdoor unit	Kg	40/44	50/55
Loading Quantity (not including solar panel)			Energy Star	Energy Star
40°GP/40°HQ			sets	sets
			198/244	127/149



# Hansol Series



## High Energy Efficiency

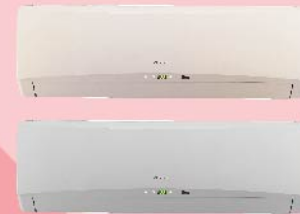
SEER:27 HSPF:9(for 9k)

## 7 Fan Speeds

From MUTE to TURBO, maximize your comfortable experience.

## Advanced Airflow Design

10m overlong airflow (for9k&12k)  
Automatic horizontal airflow  
Waterfall heating airflow



Extra inner louver works when heating



Extra inner louver is concealed when cooling



Features: ● Standard ● Optional



Model			GWH09TB-D3DNA1A	GWH12TB-D3DNA1A	GWH18TC-D3DNA1A	GWH24TD-D3DNA1A
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000(3500~9600)	12000(3100~13000)	18000(4600~22180)	24000(6826~29352)
	Heating	Btu/h	9800(2200~11000)	13000(2400~14000)	19000(3400~24900)	25000(7509~37543)
SEER/HSPF			27/9	25/9	21/9.8	21/9.2
Power Supply		Ph,V,Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz
Power Input	Cooling	W	600(330~1200)	882(380~1300)	1500(180~2500)	1850(400~2900)
	Heating	W	650(100~1250)	960(100~1350)	1600(232~2500)	2250(400~4000)
Rated Current	Cooling	A	5.7	6	7.82	8.47
	Heating	A	7	7.5	8.04	10.27
Airflow Volume	Indoor	m³/h	710	770	1000	1200
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SH/H/HM/M/ML/L/SL)	42/38/36/34/30/26/23	44/38/36/34/30/26/24	51/48/45/43/39/36/33	52/49/47/45/43/41/38
Outline Dimension	W×H×D	mm	866×292×209	866×292×209	1018×319×230	1178×326×264
Package Dimension	W×H×D	mm	945×297×377	945×297×377	1097×340×397	1250×355×411
Net Weight/Gross Weight	Indoor	kg	11/14	11/14	14/19	18/24
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	49	49	56/-/66	56/-/66
Piping Connection	Gas	mm	φ12	φ12	φ16	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	W×H×D	mm	899×596×378	899×596×378	955×700×396	980×790×427
Package Dimension	W×H×D	mm	948×645×420	948×645×420	1029×750×458	1080×840×485
Net Weight/Gross Weight	Outdoor	kg	39/41	39.5/41.5	50/55	69.5/74.5
			Energy Star	Energy Star	Energy Star	Energy Star
Loading Quantity	40'GP	sets	166	166	119	96
	40'HQ	sets	186	186	135	144



# U-Cool Series



## 153mm Slim Body

Only 153mm inspired by beautiful U design, it presents more space flexibility and greater artistry. (for 9K)

## 21dB(A) Quiet Design

The noise level reaches as low as 21 dB(A), which is 3-6 dB(A) lower than conventional air conditioner. (for 9K)

## Fresh Air Ventilation

Fresh air are provided for your maximum comfort.



Features: ● Standard ● Optional

Model			GWH09UB-K3DNA1A	GWH12UB-K3DNA1A	GWH18UC-K3DNA1A
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8871	11942	18084
	Heating	Btu/h	9792	12999	19107
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
EER/C.O.P		W/W	4.03/4.11	3.61/3.61	3.42/3.61
Power Input	Cooling	W	645	970	1550
	Heating	W	695	1055	1550
Rated Current	Cooling	A	5.50	5.91	11.60
	Heating	A	6.7	7.4	12.2
Airflow Volume		m³/h	560/490/450/400/360/350/340	570/490/450/400/360/350/340	850/800/750/680/600/550/450
Indoor Unit					
Sound Pressure Level	Indoor	dB(A)(SHHML)	38/34/32/29/27/25/22	39/36/34/31/28/25/23	44/40/37/35/33/31/28
Outline Dimension	WxHxD	mm	896×320×159	896 ×320×159	998 ×340×178
Package Dimension	WxHxD	mm	973×403×255	973×403×255	1083×428×283
Net Weight/Gross Weight	Indoor	kg	11.5/14.5	11.5/14.5	15/19
Outdoor Unit					
Sound Pressure Level	Outdoor	dB(A)	50	52	56
Piping Connection	Gas	mm	φ9.52	φ12	φ12
	Liquid	mm	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776×540×320	848 ×540×320	955 ×700×396
Package Dimension	WxHxD	mm	823×358×595	881×595×363	1029×750×458
Net Weight/Gross Weight	Outdoor	kg	29/33	38/43	50/55
Loading Quantity					
	40'GP	sets	207	201	125
	40'HQ	sets	240	232	139



# Lomo Series

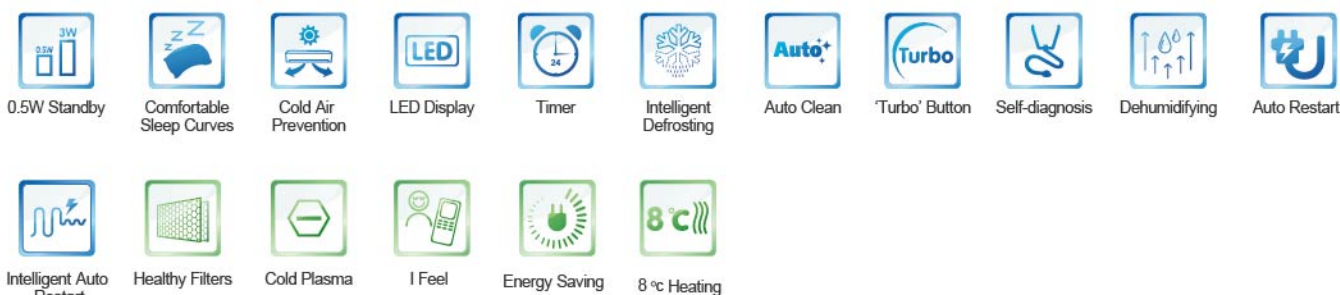


## 0.5w Standby

▼ Innovative switcher power design ensures only 0.5w standby and wider voltage of PCB between 85v-265v.

## Intelligent Auto Restart

▼ Upon power is resumed after power failure, the units in the whole building will not be restarted at the same time to avoid impact of electricity net (suitable for engineering project).



Features: ● Standard ● Optional

## Lomo 16 SEER



Model			GWC09QC-D3DNB2E	GWH09QC-D3DNB2E	GWC12QC-D3DNB2E	GWH12QC-D3DNB2E
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	9000	9000	12000	12000
	Heating	Btu/h	/	9500	/	13000
SEER/HSPF		Btu/ (h·w)	16	16/9	16	16/9
Power Supply		Ph,V,Hz	1Ph,208/230V 60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz
Power Input	Cooling	W	900	900	1300	1300
	Heating	W	/	800	/	1250
Rated Current	Cooling	A	5.8	5.8	6	6
	Heating	A	/	6	/	6.7
Airflow Volume	Indoor	m³/h	540	540	680	680
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SHH/M/L)	43/38/34/28	43/38/34/28	45/39/35/29	45/39/35/29
Outline Dimension	WxHxD	mm	790x275x200	790x275x200	845×289×209	845×289×209
		inch	31.1x10.8x7.9	31.1x10.8x7.9	33.3x11.4x8.2	33.3x11.4x8.2
Package Dimension	WxHxD	mm	866×367×271	866×367×271	921×379×281	921×379×281
		inch	34.1x14.4x10.7	34.1x14.4x10.7	36.1x15x11	36.1x15x11
Net Weight /Gross Weight	Indoor	Kg	9/11	9/11	10.5/12.5	10.5/12.5
		lb	19.8/24.3	19.8/24.3	23.2/27.6	23.2/27.6
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	52	52	53	53
Piping Connection	Gas	mm	9.52/3/8"	9.52/3/8"	9.52/3/8"	9.52/3/8"
	Liquid	mm	6/1/4"	6/1/4"	6/1/4"	6/1/4"
Outline Dimension	WxHxD	mm	776×540×320	776×540×320	776×540×320	776×540×320
		inch	30.6x21.2x12.6	30.6x21.2x12.6	30.6x21.2x12.6	30.6x21.2x12.6
Package Dimension	WxHxD	mm	823x595x358	823x595x358	823x595x358	823x595x358
		inch	32.4x23.4x11.1	32.4x23.4x11.1	32.4x23.4x11.1	32.4x23.4x11.1
Net Weight /Gross Weight	Outdoor	Kg	29.5/32	30/32.5	31.5/34	32/34.5
		lb	65.0/70.6	66.2/71.7	69.5/75.0	70.6/76.1
Loading Quantity	40'GP	sets	224	224	212	212
	40'HQ	sets	262	262	245	245

## Lomo 16 SEER



Model			GWC18QD-D3DNB2E	GWH18QD-D3DNB2E	GWC24QE-D3DNB2E	GWH24QE-D3DNB2E
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	18000	18000	22000	22000
	Heating	Btu/h	/	19000	/	23000
SEER/HSPF		Btu/ (h·w)	16	16/9	16	16/9
Power Supply		Ph,V,Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz
Power Input	Cooling	W	1800	1920	2250	2250
	Heating	W	/	2000	/	2280
Rated Current	Cooling	A	7.98	8.5	10	10
	Heating	A	/	8.9	/	10.1
Airflow Volume	Indoor	m³/h	800	800	1200	1200
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SHH/M/L)	46/42/39/36	46/42/39/36	48/44/40/36	48/44/40/36
Outline Dimension	WxHxD	mm	970x300x224	970x300x224	1078x325x246	1078x325x246
		inch	38.2x11.8x8.8	38.2x11.8x8.8	42.4x12.8x9.6	42.4x12.8x9.6
Package Dimension	WxHxD	mm	1041×383×320	1041×383×320	1148x413x350	1148x413x350
		inch	41x15x12.6	41x15x12.6	45x16.1x13.2	45x16.1x13.2
Net Weight /Gross Weight	Indoor	Kg	12.5/15.5	12.5/15.5	17/20.5	17/20.5
		lb	27.6/34.2	27.6/34.2	37.5/45.2	37.5/45.2
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	56	56	59	59
Piping Connection	Gas	mm	12/1/2"	12/1/2"	16/5/8"	16/5/8"
	Liquid	mm	6/1/4"	6/1/4"	6/1/4"	6/1/4"
Outline Dimension	WxHxD	mm	955×700×396	955×700×396	955×700×396	955×700×396
		inch	37.6x27.5x15.6	37.6x27.5x15.6	37.6x27.5x15.6	37.6x27.5x15.6
Package Dimension	WxHxD	mm	1029x750x458	1029x750x458	1029x750x458	1029x750x458
		inch	40.5x18x29.5	40.5x18x29.5	40.5x18x29.5	40.5x18x29.5
Net Weight /Gross Weight	Outdoor	Kg	41/45.5	43.5/48	47/51.5	50/54.5
		lb	90.4/100.3	95.9/105.8	103.6/113.5	110.2/120.1
Loading Quantity	40'GP	sets	127	127	118	118
	40'HQ	sets	146	146	131	131



Lomo 16 SEER



Model			GWC30LB-D3DNB2G	GWH30LB-D3DNB2G	GWC36LB-D3DNB2G	GWH36LB-D3DNB2G
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	28000	28000	33600	33600
	Heating	Btu/h	/	28400	/	34600
SEER/HSPF		Btu/ (h-w)	18	18/9	18	18/9
Power Supply		Ph,V,Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz
Power Input	Cooling	W	2700	2700	4000	4000
	Heating	W	/	2900	/	3800
Rated Current	Cooling	A	11.5	11.5	17.7	17.7
	Heating	A	/	12	/	16.5
Airflow Volume	Indoor	m³/h	1200	1200	1250	1250
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SHH/M/L)	52/48/43/35	52/48/43/35	54/49/44/37	54/49/44/37
Outline Dimension	WxHxD	mm	1350x326x253	1350x326x253	1350x326x253	1350x326x253
		inch	53.2x12.8x10.0	53.2x12.8x10.0	53.2x12.8x10.0	53.2x12.8x10.0
Package Dimension	WxHxD	mm	1441x421x358	1441x421x358	1441x421x358	1441x421x358
		inch	56.7x16.6x14.1	56.7x16.6x14.1	56.7x16.6x14.1	56.7x16.6x14.1
Net Weight /Gross Weight	Indoor	Kg	19/23.5	19/23.5	19/23.5	19/23.5
		lb	41.9/51.8	41.9/51.8	41.9/51.8	41.9/51.8
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	61	61	62	62
Piping Connection	Gas	mm	16/5/8"	16/5/8"	16/5/8"	16/5/8"
	Liquid	mm	6/1/4"	6/1/4"	6/1/4"	6/1/4"
Outline Dimension	WxHxD	mm	980×790×427	980×790×427	980×790×427	980×790×427
		inch	38.6x31.1x16.8	38.6x31.1x16.8	38.6x31.1x16.8	38.6x31.1x16.8
Package Dimension	WxHxD	mm	1083x855x488	1083x855x488	1083x855x488	1083x855x488
		inch	42.6x19.2x33.6	42.6x19.2x33.6	42.6x19.2x33.6	42.6x19.2x33.6
Net Weight /Gross Weight	Outdoor	Kg	69/74	70/75	72/76	73/77
		lb	152.1/163.2	154.4/165.4	258.8/167.6	161/169.8
Loading Quantity	40"GP	sets	78	78	78	78
	40"HQ	sets	99	99	99	99

Lomo 22 SEER



Model			GWC09QC-A3DNB2D	GWH09QC-A3DNB2D	GWC12QC-A3DNB2D	GWH12QC-A3DNB2D
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	9000	9000	12000	12000
	Heating	Btu/h	/	9900	/	13000
SEER/HSPF		Btu/ (h-w)	23	23/10	22	22/9
EER/C.O.P		W/W	3.77	3.77/3.12	3.55	3.55/3.85
Power Supply		Ph,V,Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz
Power Input	Cooling	W	700	700	990	990
	Heating	W	/	930	/	990
Rated Current	Cooling	A	11.27	11.27	11.54	11.54
	Heating	A	/	10.65	/	11.98
Airflow Volume	Indoor	m³/h	640/490/410/290	640/490/410/290	680/490/410/290	680/490/410/290
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SHH/M/L)	43/38/32/26	43/38/32/26	45/40/34/28	45/40/34/28
Outline Dimension	WxHxD	mm	845×289×209	845×289×209	845×289×209	845×289×209
Package Dimension	WxHxD	mm	921×379×281	921×379×281	921×379×281	921×379×281
Net Weight /Gross Weight	Indoor	Kg	10.5/12.5	10.5/12.5	10.5/12.5	10.5/12.5
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	53	53	53	53
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ12
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	848×540×320	848×540×320	848×592×320	848×592×320
Package Dimension	WxHxD	mm	881×595×363	881×595×363	881×645×363	881×645×363
Net Weight /Gross Weight	Outdoor	Kg	28.5/31	32.5/35	33.5/36.5	35/38
Loading Quantity	40"GP	sets	196	196	196	196
	40"HQ	sets	240	240	226	226

Lomo 22 SEER



Model			GWC09QC-D3DNB2D	GWH09QC-D3DNB2D	GWC12QC-D3DNB2D	GWH12QC-D3DNB2D
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	9000	9000	12000	12000
	Heating	Btu/h	/	11000	/	13000
SEER/HSPF		Btu/ (h-w)	23	23/9	22/8.9	22/8.9
EER/C.O.P		W/W	4.19	4.19/3.16	3.52	3.52/3.46
Power Supply		Ph,V,Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz
Power Input	Cooling	W	630	630	1000	1000
	Heating	W	/	1020	/	1100
Rated Current	Cooling	A	5.8	5.8	6	6
	Heating	A	/	6	/	6.3
Airflow Volume	Indoor	m³/h	640/490/410/290	640/490/410/290	680/490/410/290	680/490/410/290
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SHH/M/L)	43/39/35/29	43/39/35/29	45/39/35/29	45/39/35/29
Outline Dimension	WxHxD	mm	845×289×209	845×289×209	845×289×209	845×289×209
Package Dimension	WxHxD	mm	921×379×281	921×379×281	921×379×281	921×379×281
Net Weight /Gross Weight	Indoor	Kg	10/12	10/12	10/12	10/12
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	53	53	54	54
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ12
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	848×540×320	848×540×320	848×592×320	848×592×320
Package Dimension	WxHxD	mm	881×595×363	881×595×363	881×645×363	881×645×363
Net Weight /Gross Weight	Outdoor	Kg	33/35.5	35.5/38	36.5/39.5	39/42
Loading Quantity	40"GP	sets	196	196	196	196
	40"HQ	sets	240	240	226	226

Lomo 22 SEER



Model			GWC18QD-D3DNB2D	GWH18QD-D3DNB2D	GWC24QE-D3DNB2D	GWH24QE-D3DNB2D
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	18000	18000	22000	22000
	Heating	Btu/h	/	19800	/	23000
SEER/HSPF		Btu/ (h-w)	20	20/9	20	20/9
EER/C.O.P		W/W	3.52	3.52/3.35	3.52	3.52/3.37
Power Supply		Ph,V,Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz
Power Input	Cooling	W	1500	1500	1830	1830
	Heating	W	/	1730	/	2000
Rated Current	Cooling	A	11.54	11.54	14.49	14.49
	Heating	A	/	11.54	/	14.49
Airflow Volume	Indoor	m³/h	950/830/700/570	950/830/700/570	1200/1100/1000/900	1200/1100/1000/900
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SHH/M/L)	47/43/39/35	47/43/39/35	48/44/40/36	48/44/40/36
Outline Dimension	WxHxD	mm	970×300×224	970×300×224	1078×325×246	1078×325×246
Package Dimension	WxHxD	mm	1041×383×320	1041×383×320	1148×413×350	1148×413×350
Net Weight /Gross Weight	Indoor	Kg	12.5/15.5	12.5/15.5	15.5/19	15.5/19
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	55	55	59	59
Piping Connection	Gas	mm	φ12	φ12	φ16	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	955×700×396	955×700×396	980×790×427	980×790×427
Package Dimension	WxHxD	mm	1029×750×458	1029×750×458	1083×855×488	1083×855×489
Net Weight /Gross Weight	Outdoor	Kg	50/54.5	51.5/56	62/67	64.5/69.5
Loading Quantity	40"GP	sets	127	127	87	87
	40"HQ	sets	146	146	107	107



## EER 2.72

Model			GWC12QB-A1NNB2A	GWH12QB-A1NNB2A	GWC12QC-D3DNB2D	GWH12QB-D1NNB2A
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	11000	11000	11000	11000
	Heating	Btu/h	/	11500	/	11500
EER/C.O.P		Btu/ (h-w)	2.80	2.80/2.93	2.80	2.80/2.93
Power Supply		Ph,V,Hz	1Ph,115V,60Hz	1Ph,115V,60Hz	1Ph,230V,60Hz	1Ph,230V,60Hz
Power Input	Cooling	W	1150	1150	1150	1150
	Heating	W	/	1150	/	1150
Rated Current	Cooling	A	10.2	10.2	5.1	5.1
	Heating	A	/	10.2	/	5.1
Airflow Volume	Indoor	m³/h	550	550	550	550
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SHH/M/L)	39/35/31/27	39/35/31/27	39/35/31/27	39/35/31/27
Outline Dimension	WxHxD	mm	790x275x200	790x275x200	790x275x200	790x275x200
Package Dimension	WxHxD	mm	866x367x271	866x367x271	866x367x271	866x367x271
Net Weight /Gross Weight	Indoor	Kg	9	9	9	9
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	51	51	51	51
Piping Connection	Gas	mm	φ12	φ12	φ12	φ12
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776x540x320	776x540x320	776x540x320	776x540x320
Package Dimension	WxHxD	mm	823x595x358	823x595x358	823x595x358	823x595x358
Net Weight /Gross Weight	Outdoor	Kg	28	29	28	29
Loading Quantity						
40'GP	sets		224	224	224	224
	sets		262	262	262	262

## EER 2.72

Model			GWC18QD-D1NNB2A	GWH18QD-D1NNB2A	GWC24QE-D1NNB2A	GWH24QE-D1NNB2A
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	16992	16500	22000	22000
	Heating	Btu/h	/	17060	/	22500
EER/C.O.P		Btu/ (h-w)	2.82	2.78	2.80	2.80/3.40
Power Supply		Ph,V,Hz	1Ph, 230V, 60Hz	1Ph, 230V, 60Hz	1Ph, 230V, 60Hz	1Ph,230V,60Hz
Power Input	Cooling	W	1765	1740	2302	2303
	Heating	W	/	1550	/	1940
Rated Current	Cooling	A	11.2	11.1	15	15.5
	Heating	A	/	8.7	/	15.5
Airflow Volume	Indoor	m³/h	900/855/825/765	850/800/760/720	1200/1060/930/800	1100
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SHH/M/L)	47/44/40/36	47/44/40/36	50/46/42/38/null	48/45/40/36
Outline Dimension	WxHxD	mm	970×300×224	970×300×224	1078×325×246	1078x325x246
Package Dimension	WxHxD	mm	1041×383×320	1041×383×320	1148×413×350	1148x413x350
Net Weight /Gross Weight	Indoor	Kg	13.5/16.5	13.5/16.5	16.5/20	16.5/20
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	53	53	54	54
Piping Connection	Gas	mm	φ12	φ12	φ16	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	848×540×320	848×540×320	913×680×378	913x680x378
Package Dimension	WxHxD	mm	881×595×363	881×363×595	997×740×431	997x740x431
Net Weight /Gross Weight	Outdoor	Kg	36/38.5	38/40.5	48/52	52/56.5
Loading Quantity						
40'GP	sets		173	173	120	120
	sets		208	208	136	136

## Cozy Series



### 0.5w Standby

A sleek shape fits in your different indoor decorations.



### Intelligent Auto Restart

It offers a perfect balance between most comfortable temperature and least power consumption.



Auto Clean



Automatic Operation



LED Display



Intelligent Defrosting



Compact Design



Clock Display



Comfortable Sleep Mode



Cold Air Prevention



Timer



'Turbo' Button



Self-Diagnosis



Auto Restart



Lock



Healthy Filters



Cold Plasma



I Feel



8 °c Heating



-15 °c Heating



1W Standby

Features: ● Standard ● Optional





Model			GWC09MB-D3DNC5F	GWH09MB-D3DNC5F	GWC12MB-D3DNC5F	GWH12MB-D3DNC5F
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	9000	9000	12000	12000
	Heating	Btu/h	-	9800	-	13000
SEER/HSPF		--	22	22/9.2	20	20/9.2
EER/C.O.P		W/W	4.2	4.2/3.8	3.52	3.52/3.18
Power Supply		Ph,V,Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz
Power Input	Cooling	W	620	620	1000	1000
	Heating	W	-	750	-	1200
Rated Current	Cooling	A	2.8	9	9	9
	Heating	A	-	9	-	9
Airflow Volume	Indoor	m³/h	520/470/430/370	520/470/430/370	570/470/430/370	570/470/430/370
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SHH/M/L)	42/38/35/32	42/38/35/32	44/39/36/33	44/39/36/33
Outline Dimension	WxHxD	mm	845×275×180	845×275×180	845×275×180	845×275×180
Package Dimension	WxHxD	mm	918×370×258	918×370×258	918×370×258	918×370×258
Net Weight /Gross Weight	Indoor	Kg	9.5/11.5	9.5/11.5	9.5/11.5	9.5/11.5
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	50	50	52	52
Piping Connection	Gas	mm	φ9.52	φ9.52	φ9.52	φ9.52
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	848×540×320	848×540×320	848×590×320	848×590×320
Package Dimension	WxHxD	mm	881×595×363	881×595×363	881×645×363	881×645×363
Net Weight /Gross Weight	Outdoor	Kg	36/41	36/41	40/44	40/44
Loading Quantity	40'GP	sets	210	210	203	203
	40'HQ	sets	244	244	230	230



Model			GWC18MC-D3DNC5F	GWH18MC-D3DNC5F	GWC24MD-D3DNC5F	GWH24MD-D3DNC5F
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	18000	18000	21400	21400
	Heating	Btu/h	-	19790	-	23000
SEER/HSPF		--	18	18/10	18	18/10
EER/C.O.P		W/W	3.52	3.52/3.52	3.52	3.52/3.21
Power Supply		Ph,V,Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz
Power Input	Cooling	W	1500	1500	1780	1780
	Heating	W	-	1650	-	2100
Rated Current	Cooling	A	11.76	11.76	11.76	11.76
	Heating	A	-	12.2	-	12.2
Airflow Volume	Indoor	m³/h	850/780/650/550	850/780/650/550	1000/800/700/600	1000/800/700/600
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SHH/M/L)	49/44/40/35	49/44/40/35	53/45/41/37	53/45/41/37
Outline Dimension	WxHxD	mm	940×298×200	940×298×200	1007×315×219	1007×315×219
Package Dimension	WxHxD	mm	1013×383×300	1013×383×300	1076×398×328	1076×398×328
Net Weight /Gross Weight	Indoor	Kg	11/14	11/14	13.5/17	13.5/17
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	56	56	58	58
Piping Connection	Gas	mm	φ12	φ12	φ16	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	955×700×396	955×700×396	980×790×427	980×790×427
Package Dimension	WxHxD	mm	1029×750×458	1029×750×458	1083×488×855	1083×488×855
Net Weight /Gross Weight	Outdoor	Kg	45/50	45/50	54/59	60/66
Loading Quantity	40'GP	sets	127	127	91	91
	40'HQ	sets	149	149	113	113

15 SEER



Model			GWC09MB-D3DNC9K	GWH09MB-D3DNC9K	GWC12MB-D3DNC9K	GWH12MB-D3DNC9K
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	9001(1465~4999)	9001(1465~4999)	12000(3600~12502)	12000(3600~12502)
	Heating	Btu/h	/	9554(1553~3517)	/	13000(5299~13501)
SEER/HSPF		Btu/h/W	15.0	15.0/8.5	15.0	15.0/8.50
Power Supply		Ph,V,Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz
Power Input	Cooling	W	950(375~1300)	950(375~1300)	1300(300~1350)	1300(300~1350)
	Heating	W	/	800(300~1350)	/	1250(300~1500)
Rated Current	Cooling	A	9	9	9	9
	Heating	A	/	9	/	9
Airflow Volume	Indoor	m³/h	520/470/430/370	520/470/430/370	570/470/430/370	570/470/430/370
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	43/40/37/34	43/40/37/34	44/42/39/36	44/42/39/36
Outline Dimension	W×H×D	mm	845×275×180	845×275×180	845×275×180	845×275×180
		inch	33.27×10.83×7.09	33.27×10.83×7.09	33.27×10.83×7.09	33.27×10.83×7.09
Package Dimension	W×H×D	mm	918×258×370	918×258×370	918×258×370	918×258×370
		inch	36.14×10.16×14.57	36.14×10.16×14.57	36.14×10.16×14.57	36.14×10.16×14.57
Net Weight /Gross Weight	Indoor	Kg	9/12	9/12	10/13	10/13
		lb	19.8/26.5	19.8/26.5	22.0/28.7	22.0/28.7
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	52	52	53	53
Piping Connection	Gas	mm/inch	φ9.52(3/8")	φ9.52(3/8")	φ9.52(3/8")	φ9.52(3/8")
	Liquid	mm/inch	φ6(1/4")	φ6(1/4")	φ6(1/4")	φ6(1/4")
Outline Dimension	W×H×D	mm	710×550×318	710×550×318	710×550×318	710×550×318
		inch	27.95×21.65×12.52	27.95×21.65×12.52	27.95×21.65×12.52	27.95×21.65×12.52
Package Dimension	W×H×D	mm	775×351×607	775×351×607	775×351×607	775×351×607
		inch	30.51×13.82×23.89	30.51×13.82×23.89	30.51×13.82×23.89	30.51×13.82×23.89
Net Weight/Gross Weight	Outdoor	Kg	27.5/29.5	28/30	29.5/31.5	29.5/31.5
		lb	60.6/65.0	61.7/66.2	65.0/69.5	65.0/69.5
Loading Quantity	40'GP	sets	246	246	246	246
	40'HQ	sets	274	274	274	274

15 SEER



Model			GWC18MC-D3DNC9K	GWH18MC-D3DNC9K	GWC24MD-D3DNC9K	GWH24MD-D3DNC9K
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	18000(2200~20000)	18000(2200~20000)	22000(2300~23500)	22000(2300~23500)
	Heating	Btu/h	/	19800(4100~22000)	/	23000(4300~26000)
SEER/HSPF		Btu/h/W	15.0	15.0/8.50	15.0	15.0/8.50
Power Supply		Ph,V,Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz
Power Input	Cooling	W	1800(350~2500)	1800(350~2500)	2310(350~2700)	2310(350~2700)
	Heating	W	/	1650(335~2750)	/	2100(400~2750)
Rated Current	Cooling	A	11.09	11.09	11.98	11.98
	Heating	A	/	11.09	/	11.98
Airflow Volume	Indoor	m³/h	860/780/650/550	860/780/650/550	1000/800/700/600	1000/800/700/600
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	48/42/39/36	48/42/39/36	52/46/42/36	52/46/42/36
Outline Dimension	W×H×D	mm	940×298×200	940×298×200	1007×315×219	1007×315×219
		inch	37.0×11.73×7.87	37.0×11.73×7.87	39.65×12.40×8.62	39.65×12.40×8.62
Package Dimension	W×H×D	mm	1013×300×383	1013×300×383	1076×328×398	1076×328×398
		inch	39.9×15.08×11.81	39.9×15.08×11.81	42.36×15.67×12.91	42.36×15.67×12.91
Net Weight /Gross Weight	Indoor	Kg	12/15	12/15	15/18.5	15/18.5
		lb	26.5/33.1	26.5/33.1	33.1/40.8	33.1/40.8
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	56	56	59	59
Piping Connection	Gas	mm/inch	φ12(1/2")	φ12(1/2")	φ16(5/8")	φ16(5/8")
	Liquid	mm/inch	φ6(1/4")	φ6(1/4")	φ6(1/4")	φ6(1/4")
Outline Dimension	W×H×D	mm	955×700×396	955×700×396	955×700×396	955×700×396
		inch	37.59×27.56×15.59	37.59×27.56×15.59	37.59×27.56×15.59	37.59×27.56×15.59
Package Dimension	W×H×D	mm	1029×750×458	1029×750×458	1029×750×458	1029×750×458
		inch	40.51×18.03×29.53	40.51×18.03×29.53	40.51×18.03×29.53	40.51×18.03×29.53
Net Weight/Gross Weight	Outdoor	Kg	44/48	44/48	49/53.5	49/53.5
		lb	97.0/105.8	97.0/105.8	108.0/118.0	108.0/118.0
Loading Quantity	40'GP	sets	127	127	122	122
	40'HQ	sets	149	149	139	139



# Change Series

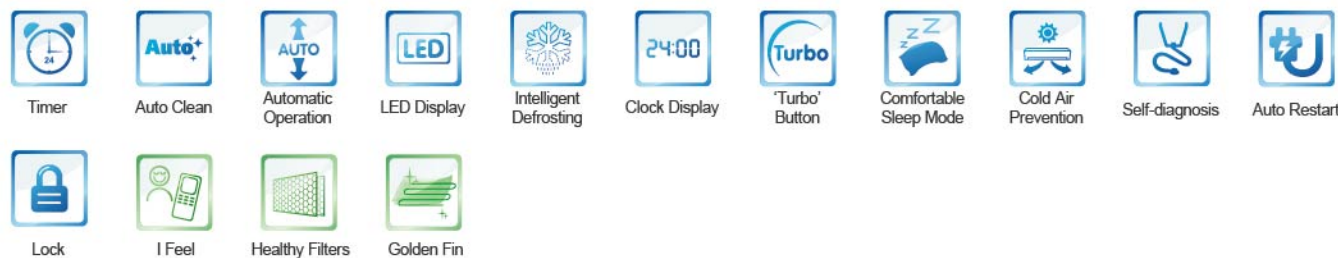


## G10 Inverter Technology

- Up to 50% energy saving
- 16Hz low frequency operation

## LED Display Design

- The LED display attached on the front case gives you a unique impression.



Features: ● Standard ● Optional



Model			GWC09KF-A3DNA5A	GWH09KF-A3DNA5A	GWC12KF-A3DNA5A	GWH12KF-A3DNA5A
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	9000(3500-11000)	9000(3500~11000)	11800(3300~12500)	11800(3300-12500)
	Heating	Btu/h	/	9800(2500~11000)	/	13000(3400-13500)
SEER/HSPF		Btu/ (h·w)	16.0	16/8.6	16	16/8.6
EER/C.O.P		W/W	12.0	12/12	2.6	2.75/2.87
Power Supply		Ph,V,Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz
Power Input	Cooling	W	750 (220-1100)	750 (220-1100)	1260 (260~1340)	1260(260-1340)
	Heating	W	/	830(230-1230)	/	1320(250-1360)
Rated Current	Cooling	A	16.8	16.8	580/490/400/340	17.0
	Heating	A	/	17.0	17	17.0
Airflow Volume	Indoor	m³/h	560/470/380/320	560/470/380/320	580/490/400/340	580/490/400/340
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SHH/M/L)	40/37/35/32	40/37/35/32	40/37/35/32	43/39/35/32
Outline Dimension	WxHxD	mm	770×283×201	770×283×201	770×283×201	770×283×201
Package Dimension	WxHxD	mm	847/345/276	847/345/276	847/345/276	847×345×276
Net Weight /Gross Weight	Indoor	Kg	8.5/11.5	8.5/11.5	9/12	8.5/11.5
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	53	53	55	55
Piping Connection	Gas	mm	φ9.52	φ9.52	φ9.52	φ9.52
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	848X540X320	848X540X320	848X540X320	848×540×320
Package Dimension	WxHxD	mm	881/363/595	881/363/595	881/363/595	881×363×595
Net Weight /Gross Weight	Outdoor	Kg	34/38	34/38	34/38	31/35
Loading Quantity						
	40'GP	sets	197	197	197	218
	40'HQ	sets	243	243	243	252



Model			GWC09KF-D3DNA5F	GWH09KF-D3DNA5F	GWC12KF-D3DNA5F	GWH12KF-D3DNA5F
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	9000(3800-11500)	9000(3800-11500)	12000(3300-12500)	12000(3300-12500)
	Heating	Btu/h	/	9000(3300-11500)	/	12000(3400-12500)
SEER/HSPF		Btu/ (h·w)	16	16/8.5	16	16/8.5
EER/C.O.P		W/W	3.0	3.0/3.43	2.88	2.88/3.06
Power Supply		Ph,V,Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz
Power Input	Cooling	W	880(270-1300)	880(270-1300)	1220(260-1340)	1220(260-1340)
	Heating	W	/	770(230-1200)	/	1150(260-1550)
Rated Current	Cooling	A	5.8	5.8	5.9	5.9
	Heating	A	/	5.3	/	6.9
Airflow Volume	Indoor	m³/h	560	560	580	580
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SHH/M/L)	43/38/32/26	43/38/32/26	44/39/33/28	44/39/33/28
Outline Dimension	WxHxD	mm	770×283×201	770×283×201	770×283×201	770×283×201
Package Dimension	WxHxD	mm	858×283×375	858×283×375	858×283×375	858×283×375
Net Weight /Gross Weight	Indoor	Kg	8.5/11.5	8.5/11.5	9.0/12.0	9.0/12.0
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	49	49	52	52
Piping Connection	Gas	mm	φ9.52	φ9.52	φ9.52	φ9.52
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	710×550×318	710×550×318	710×550×318	710×550×318
Package Dimension	WxHxD	mm	774×351×607	774×351×607	774×351×607	774×351×607
Net Weight /Gross Weight	Outdoor	Kg	28/31	28/31	30/33	30/33
Loading Quantity						
	40'GP	sets	233	233	233	233
	40'HQ	sets	282	282	282	282





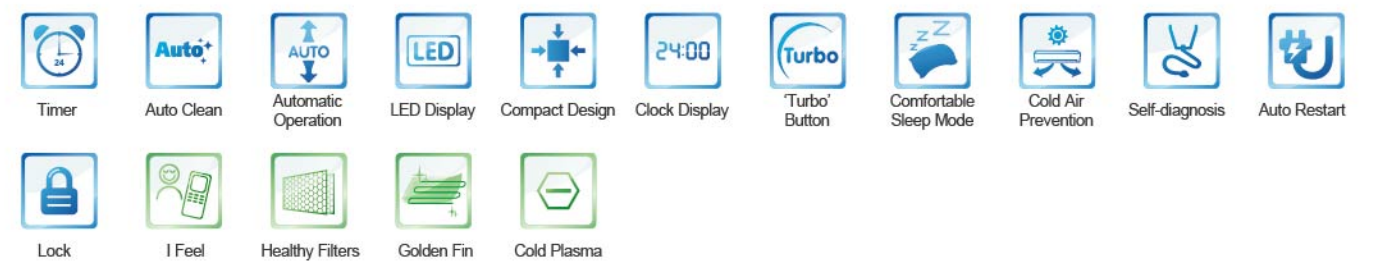
Model			GWC18KG-D3DNA5C	GWH18KG-D3DNA5F	GWC24KG-D3DNA5A	GWH24KG-D3DNA5A
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	18000(4500-20999)	18000(4500-20999)	21999(6397-23993)	21999(6397-23993)
	Heating	Btu/h	/	19200(3999-22999)	/	24200(4101-26599)
SEER/HSPF			Btu/ (h·w)	16	16/8.5	16
EER/C.O.P			W/W	3.1	3.10/2.34	2.93
Power Supply			Ph,V,Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz
Power Input	Cooling	W	1700(200-2600)	1700(200-2600)	2200(300-2550)	2200(300-2550)
	Heating	W	/	2400(300-2400)	/	2800(320-2800)
Rated Current	Cooling	A	11.8	11.8	12.9	12.9
	Heating	A	/	10.9	/	13
Airflow Volume			Indoor	m³/h	800/680/560/460	800/680/560/460
Indoor Unit						
Sound Pressure Level			Indoor	dB(A)(SHH/M/L)	48/43/38/34	48/43/38/34
Outline Dimension			WxHxD	mm	865×305×215	865×305×215
Package Dimension			WxHxD	mm	948×383×310	948×383×310
Net Weight /Gross Weight			Indoor	Kg	11/14	11/14
Outdoor Unit						
Sound Pressure Level			Outdoor	dB(A)	56	56
Piping Connection	Gas	mm		φ12	φ12	φ12
	Liquid	mm		φ6	φ6	φ6
Outline Dimension			WxHxD	mm	955×700×396	955×700×396
Package Dimension			WxHxD	mm	1029×458×750	1029×458×750
Net Weight /Gross Weight			Outdoor	Kg	47/51.5	47/51.5
Loading Quantity			40'GP	sets	131	131
			40'HQ	sets	149	149

## Bee Series



### Dual Sides Water Outlet

▼ The water outlet can be installed on either left side or right side of the water pan for your convenience.







Model			GWC09NA-A3NND1A	GWH09NA-A3NND1A	GWC09NA-D3NND1A	GWH09NA-D3NND1A	GWC12NB-A3NND1A	GWH12NB-A3NND1A
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	9000	9000	9000	11000	11000	11000
	Heating	Btu/h	-	9500	-	12800	-	19400
EER/C.O.P		W/W	2.7	2.65 / 3.22	2.61	2.61/2.81	2.61	2.61/2.77
Power Supply		Ph,V,Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz	1Ph, 220V, 60Hz	1Ph, 220V, 60Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz
Power Input	Cooling	W	975	995	1010	1010	1235	1235
	Heating	W	-	865	-	990	-	1215
Rated Current	Cooling	A	11.3	12.4	6.4	5.7	14.6	13.5
	Heating	A	-	12.4	-	5.1	-	13.5
Airflow Volume		Indoor	m <sup>3</sup> /h	400	400	400	550	550
Indoor Unit								
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	40/37/35/32	40/37/35/32	41/37/35/32	41/37/35/32	41/38/35/32	41/38/35/32
Outline Dimension	W×H×D	mm	730×255×170	730×255×170	730×255×170	730×255×170	790×265×177	790×265×177
Package Dimension	W×H×D	mm	793×340×248	793×340×248	793×340×248	793×340×248	873×370×251	873×370×251
Net Weight/Gross Weight		Indoor	kg	8/10.5	8/10.5	8/10.5	9/12	9/12
Outdoor Unit								
Sound Pressure Level	Outdoor	dB(A)	50	50	50	50	52	52
Piping Connection	Gas	mm	φ9.52	φ9.52	φ9.52	φ9.52	φ12	φ12
	Liquid	mm	φ6	φ6	φ6	φ6	φ6	φ6
Outline Dimension	W×H×D	mm	720×428×310	720×428×310	720×428×310	720×428×310	776×540×320	776×540×320
Package Dimension	W×H×D	mm	768×490×353	768×490×353	768×490×353	768×490×353	823×595×358	823×595×358
Net Weight/Gross Weight		Outdoor	kg	22/ 24.5	24/ 27	25/27.5	30/35	32/37
Loading Quantity	40'GP	sets	310	310	310	310	231	231
	40'HQ	sets	350	350	350	350	269	269



Model			GWC12NB-D3NND1A	GWH12NB-D3NND1A	GWC18NC-D3NND1A	GWH18NC-D3NND1A	GWC24ND-D3NND1A	GWH24ND-D3NND1A
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	11000	11000	16000	16027	20989	20989
	Heating	Btu/h	-	12000	-	17493	-	22847
EER/C.O.P		W/W	2.61	2.66/2.95	2.61	2.61/2.77	2.61	2.61/2.71
Power Supply		Ph,V,Hz	1Ph,220-240V,60Hz	1Ph,220-240V,60Hz	1Ph,220-240V,60Hz	1Ph,220-240V,60Hz	1Ph,220-240V,60Hz	1Ph,220-240V,60Hz
Power Input	Cooling	W	1235	1235	1800	1800	1950	1950
	Heating	W	-	1215	-	1850	-	2150
Rated Current	Cooling	A	7.0	6.73	12.42	10.85	15.85	14.75
	Heating	A	-	6.5	-	10.2	-	14
Airflow Volume		Indoor	m <sup>3</sup> /h	550	550	650	550	850
Indoor Unit								
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	37/35/32/-	42/39/36/33	49/45/41/37	43/40/37/34	45/42/39/35	45/42/39/35
Outline Dimension	W×H×D	mm	790×265×177	790×265×177	845×275×180	845×275×180	940×298×200	940×298×200
Package Dimension	W×H×D	mm	873×370×251	873×370×251	918×370×258	918×370×258	1013×300×383	1013×300×383
Net Weight/Gross Weight		Indoor	kg	9/12	9/12	10/13	10/13	13/17
Outdoor Unit								
Sound Pressure Level	Outdoor	dB(A)	52	52	54	54	58	58
Piping Connection	Gas	mm	φ12	φ12	φ12	φ12	φ12	φ12
	Liquid	mm	φ6	φ6	φ6	φ6	φ6	φ6
Outline Dimension	W×H×D	mm	776×540×320	776×540×320	848×540×320	848×540×320	913×680×378	913×680×378
Package Dimension	W×H×D	mm	823×595×370	823×595×370	881×595×363	881×595×363	997×740×431	997×740×431
Net Weight/Gross Weight		Outdoor	kg	30/35	32/37	41/46	39/42	46/50
Loading Quantity	40'GP	sets	231	231	198	198	136	136
	40'HQ	sets	269	269	244	244	154	154



Model			GWC09NA-A1NND1A	GWH09NA-A1NND1A	GWC09NA-D1NND1A	GWH09NA-D1NND1A	GWC12NB-A1NND1A	GWH12NB-A1NND1A
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	9000	9000	9000	9000	11000	11500
	Heating	Btu/h	-	9500	-	9500	-	11000
EER/C.O.P		W/W	2.64	2.64/2.93	2.61	2.61/2.77	2.6	2.6/2.77
Power Supply		Ph,V,Hz	1Ph,115V,60Hz	1Ph,115V,60Hz	1Ph,208-230V,60Hz	1Ph,208-230V,60Hz	1Ph,115V,60Hz	1Ph,115V,60Hz
Power Input	Cooling	W	1000	1000	1010	1010	1235	1235
	Heating	W	-	950	-	1005	-	1215
Rated Current	Cooling	A	12.3	12.3	7.3	6.95	14.6	14.9
	Heating	A	-	11.8	-	6.42	-	14.4
Airflow Volume		Indoor	m <sup>3</sup> /h	400	400	400	400	550
Indoor Unit								
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	40/37/35/32	40/37/35/32	41/37/35/32	41/37/35/32	38/35/32/-	38/35/32/-
Outline Dimension	W×H×D	mm	730×255×170	730×255×170	730×255×170	730×255×170	790×265×177	790×265×177
Package Dimension	W×H×D	mm	793×340×248	793×340×248	793×340×248	793×340×248	873×370×251	873×370×251
Net Weight/Gross Weight		Indoor	kg	8/10.5	8/10.5	8/10.5	8/10.5	9/12
Outdoor Unit								
Sound Pressure Level	Outdoor	dB(A)	50	50	50	50	52	52
Piping Connection	Gas	mm	φ9.52	φ9.52	φ9.52	φ9.52	φ12	φ12
	Liquid	mm	φ6	φ6	φ6	φ6	φ6	φ6
Outline Dimension	W×H×D	mm	720×428×310	720×428×310	720×428×310	720×428×310	776×540×320	776×540×320
Package Dimension	W×H×D	mm	768×490×353	768×490×353	768×490×353	768×490×353	823×595×358	823×595×358
Net Weight/Gross Weight		Outdoor	kg	25/27.5	27.5/30	25/27.5	27/29.5	30/35
Loading Quantity	40'GP	sets	310	310	310	310	231	231
	40'HQ	sets	350	350	350	350	269	269



Model			GWC12NB-D1NND1A	GWH12NB-D1NND1A	GWC18NC-D1NND1A	GWH18NC-D1NND1A	GWC24ND-D1NND1A	GWH24ND-D1NND1A
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	11000	11000	16000	16000	21000	21000
	Heating	Btu/h	-	12000	-	16800	-	22860
EER/C.O.P		W/W	2.66	2.66/2.95	2.6	2.6/2.64	2.67	2.73/2.91
Power Supply		Ph,V,Hz	1Ph,208-230V,60Hz	1Ph,208-230V,60Hz	1Ph, 220V, 60Hz	1Ph, 220V, 60Hz	1Ph, 220V, 60Hz	1Ph, 220V, 60Hz
Power Input	Cooling	W	1235	1235	1800	1800	2300	2250
	Heating	W	-	1215	-	1860	-	2300
Rated Current	Cooling	A	6.73	6.73	11.8	11.8	14.9	13.9
	Heating	A	-	6.73	-	12.0	-	15.3
Airflow Volume		Indoor	m <sup>3</sup> /h	550	550	650	650	850
Indoor Unit								
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	41/38/35/32	41/38/35/32	43/40/37/34	43/40/37/34	49/45/41/37	49/45/41/37
Outline Dimension	W×H×D	mm	790×265×177	790×265×177	845×275×180	845×275×180	940×298×200	940×298×200
Package Dimension	W×H×D	mm	873×370×251	873×370×251	918×370×258	918×370×258	1013×383×300	1013×383×300
Net Weight/Gross Weight		Indoor	kg	9/12	9/12	10/13	10/13	13/17
Outdoor Unit								
Sound Pressure Level	Outdoor	dB(A)	52	52	53	53	56	56
Piping Connection	Gas	mm	φ12	φ12	φ12	φ12	φ12	φ12
	Liquid	mm	φ6	φ6	φ6	φ6	φ6	φ6
Outline Dimension	W×H×D	mm	776×540×320	776×540×320	848×540×320	848×540×320	913×680×378	913×680×378
Package Dimension	W×H×D	mm	823×595×358	823×595×358	881×595×363	881×595×363	997×740×431	997×740×431
Net Weight/Gross Weight		Outdoor	kg	30/35	32/37	41/46	43/48	50/55
Loading Quantity	40'GP	sets	231	231	198	198	136	136
	40'HQ	sets	269	269	244	244	154	154



R22

Model			GWC12NB-D1NND1D	GWH12NB-D1NND1D	GWC18NC-D1NND1D	GWH18NC-D1NND1D	GWC24ND-D1NND1D	GWH24ND-D1NND1D
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	11000	11000	16000	16000	21000	21000
	Heating	Btu/h	-	12000	-	16800	-	22860
EER/C.O.P		W/W	2.66	2.66/2.95	2.76	2.76/2.64	2.67	2.73/2.91
Power Supply		Ph,V,Hz	1Ph,230V,60Hz	1Ph,230V,60Hz	1Ph,230V,60Hz	1Ph,230V,60Hz	1Ph,230V,60Hz	1Ph,230V,60Hz
Power Input	Cooling	W	1185	1185	1800	1800	2263	2263
	Heating	W	-	1215	-	1860	-	2400
Rated Current	Cooling	A	6.73	6.73	11.8	11.8	14.9	13.9
	Heating	A	-	6.73	-	12.0	-	15.3
Airflow Volume	Indoor	m <sup>3</sup> /h	550	550	650	650	850	850
Indoor Unit								
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	42/38/36/33	42/38/36/33	49/45/41/37	49/45/41/37	49/45/41/37	49/45/41/37
Outline Dimension	W×H×D	mm	790×265×177	790×265×177	845×275×180	845×275×180	940×298×200	940×298×200
Package Dimension	W×H×D	mm	873×370×251	873×370×251	918×370×285	918×370×258	1076×328×398	1076×328×398
Net Weight/Gross Weight	Indoor	kg	9/12	9/12	10/13	10/13	15/20	15/20
Outdoor Unit								
Sound Pressure Level	Outdoor	dB(A)	52	52	53	53	56	56
Piping Connection	Gas	mm	φ12	φ12	φ12	φ12	φ12	φ12
	Liquid	mm	φ6	φ6	φ6	φ6	φ6	φ6
Outline Dimension	W×H×D	mm	776×540×320	776×540×320	848×540×320	848×540×320	913×680×378	913×680×378
Package Dimension	W×H×D	mm	823×595×358	823×595×358	881×595×363	881×595×363	997×740×431	997×740×431
Net Weight/Gross Weight	Outdoor	kg	27/32	27/32	36/41	43/48	45/50	50/55
Loading Quantity	40'GP	sets	231	231	198	198	130	130
	40'HQ	sets	269	269	244	244	147	147

R22

Model			GWC12NC-D1NND1A		GWH12NC-D1NND1A	
Function			Cooling		Cooling/Heating	
Capacity	Cooling	Btu/h	11000		11000	
	Heating	Btu/h	-		12000	
SEER/HSPF		Btu/h/W	2.72		2.72	
Power Supply		Ph,V,Hz	1Ph,230V,60Hz		1Ph,230V,60Hz	
Power Input	Cooling	W	1185		1185	
	Heating	W	-		1185	
Rated Current	Cooling	A	5.26		6.73	
	Heating	A	-		6.73	
Airflow Volume	Indoor	m <sup>3</sup> /h	600		600	
Sound Pressure Level	Indoor	dB(A)(SH/H/HM/M/ML/L/SL)		42/39/36/33		42/39/36/33
Outline Dimension	W×H×D	mm	848×275×180		848×275×180	
Package Dimension	W×H×D	mm	918×370×258		918×370×258	
Net Weight/Gross Weight	Indoor	kg	10.0/10.25		10/12.5	
Sound Pressure Level	Outdoor	dB(A)	52		52	
Piping Connection	Liquid	mm	φ12		φ12	
	Gas	mm	φ6		φ6	
Outline Dimension	W×H×D	mm	776×540×320		776×540×320	
Package Dimension	W×H×D	mm	823×595×358		823×595×358	
Net Weight/Gross Weight	Outdoor	kg	28/30.5		29/31	
Loading Quantity	40'GP	sets	225		225	
	40'HQ	sets	262		262	

EER 2.72

R22

Model			GWC12NB-A1NNB3D	GWH12NB-A1NNB3D	GWC12NB-D1NNB3D	GWH12NB-D1NNB3D
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	11000	11000	11000	11000
	Heating	Btu/h	/	11500	/	11500
EER/C.O.P		W/W	2.72	2.72/2.89	2.72	2.72/2.89
Power Supply		Ph,V,Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz
Power Input	Cooling	W	1185	1185	1185	1185
	Heating	W	/	1165	/	1165
Rated Current	Cooling	A	13.3	13.3	6.65	6.65
	Heating	A	/	13.3	/	6.65
Airflow Volume	Indoor	m <sup>3</sup> /h	550	550	550/460/380/280	550/460/380/280
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	42/38/36/33	42/38/36/33	42/38/36/33	42/38/36/33
Outline Dimension	W×H×D	mm	790×265×177	790×265×177	790×265×177	790×265×177
Package Dimension	W×H×D	mm	873×370×251	873×370×251	873×370×251	873×370×251
Net Weight/Gross Weight	Indoor	Kg	9.0/12.0	9.0/12.0	9.0/12.0	9.0/12.0
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	52	52	52	52
Piping Connection	Gas	mm	φ12	φ12	φ12	φ12
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	W×H×D	mm	776×540×320	776×540×320	776×540×320	776×540×320
Package Dimension	W×H×D	mm	823×358×595	823×358×595	823×358×595	823×358×595
Net Weight/Gross Weight	Outdoor	Kg	30.0/35.0	30.0/35.0	30.0/35.0	30.0/35.0
Loading Quantity	40'GP	sets	231	231	231	231
	40'HQ	sets	269	269	269	269

EER 2.72

R22

Model			GWC18ND-D1NNB3D	GWH18ND-D1NNB3D	GWC24NE-D1NNB3D	GWH24NE-D1NNB3D
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	16036	16036	21001	21001
	Heating	Btu/h	/	16719	/	22860
EER/C.O.P		W/W	2.76	2.76/2.97	2.72	2.72/2.72
Power Supply		Ph,V,Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz
Power Input	Cooling	W	1700	1700	2263	2263
	Heating	W	/	1650	/	2400
Rated Current	Cooling	A	11.0	11.0	12.2	12.2
	Heating	A	/	11.0	/	12.2
Airflow Volume	Indoor	m <sup>3</sup> /h	850/780/650/550	850/780/650/550	950/830/730/630	950/830/730/630
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	49/45/41/37	49/45/41/37	49/45/41/37	49/45/41/37
Outline Dimension	W×H×D	mm	940×298×200	940×298×200	1007×315×219	1007×315×219
Package Dimension	W×H×D	mm	1013×383×300	1013×383×300	1076×398×328	1076×398×328
Net Weight/Gross Weight	Indoor	Kg	13.0/17.0	13.0/17.0	15/20	15/20
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	56	56	56	56
Piping Connection	Gas	mm	φ12	φ12	φ16	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	W×H×D	mm	848×540×320	848×540×320	913×680×378	913×680×378
Package Dimension	W×H×D	mm	881×363×595	881×363×595	997×431×740	997×431×740
Net Weight/Gross Weight	Outdoor	Kg	39/44	39/44	50/55	50/55
Loading Quantity	40'GP	sets	184	184	130	130
	40'HQ	sets	210	210	150	147



# Curve Series



## R410 Eco-friendly Refrigerant

- ▼ No damage to ozone layer
- Higher heating e×change efficiency

## Golden Fin

- ▼ Anti-corrosion design
- Better hydrophilic coating
- Higher Heat E×change Efficiency



Timer



Auto Restart



Energy Saver



LED Display



Checking Filter



Golden Fin



I Feel



\*Apply to selected units.

Features: ● Standard ● Optional

R22

Model	GJC05BK-A3RNF2I		GJC06BK-A3RNC5I		GJC08BS-A3RNC5A		GJC10BL-A3RNC5I	
Function	Cooling		Cooling		Cooling		Cooling	
Capacity	Cooling	Btu/h	5449		6050		8100	
EER/C.O.P	W/W		3.33		3.28		3.34	
Power Supply	Ph,V,Hz		1Ph, 115V, 60Hz		1Ph, 115V, 60Hz		1Ph, 115V, 60Hz	
Power Input	Cooling	W	480		540		710	
Rated Current	Cooling	A	5.5		6.0		8.2	
Airflow Volume	Indoor	m³/h	330/310/290		330/310/290		380/360/340	
Sound Pressure Level	Indoor	dB(A)(H/ML)	56/54/52		57/55/53		59/57/55	
	Outdoor	dB(A)	61/59/57		61/59/57		62/60/58	
Outline Dimension	W×H×D	mm	472×324×400		472×324×400		532×324×402	
Package Dimension	W×H×D	mm	558×458×375		558×458×365		620×468×361	
Net Weight/Gross Weight	kg		20/23		20/23		23/26	
Loading Quantity	40'GP	sets	630		630		564	
	40'HQ	sets	735		735		654	

R22

Model	GJC12BL-A3RNC5I		GJC14BM-A3RNC5I		GJC18BM-D3RNC5I		GJC24BN-D3RNC5I	
Function	Cooling		Cooling		Cooling		Cooling	
Capacity	Cooling	Btu/h	12000		14250		17800	
EER/C.O.P	W/W		3.31		3.28		3.28	
Power Supply	Ph,V,Hz		1Ph, 115V, 60Hz		1Ph, 115V, 60Hz		1Ph, 115V, 60Hz	
Power Input	Cooling	W	1060		1270		1590	
Rated Current	Cooling	A	13.5		15.59		10.35	
Airflow Volume	Indoor	m³/h	460/420/380		740/700/660		690/650/640	
Sound Pressure Level	Indoor	dB(A)(H/ML)	59/57/55		60/58/56		60/58/56	
	Outdoor	dB(A)	67/65/63		65		65/63/61	
Outline Dimension	W×H×D	mm	483×370×540		600×450×610		600×450×610	
Package Dimension	W×H×D	mm	585×558×455		721×666×515		721×666×515	
Net Weight/Gross Weight	kg		32/35		50/55		52/57	
Loading Quantity	40'GP	sets	415		204		204	
	40'HQ	sets	495		255		255	



# Doophi Series



- Compact Design
- Automatic Operation
- Auto Restart
- 3D Airflow
- LED Display
- Golden Fin

Features: ● Standard ● Optional

22

Model			GJC05BJ-A1MND1C	GJC08BK-A1MND2C	GJC12BL-A1MND2C	GJC12BL-D1MND2C	GJC18BM-D1MND2C	GJC24BN-D1MND2C
Function			Cooling	Cooling	Cooling	Cooling	Cooling	Cooling
Capacity	Cooling	Btu/h	5000	8000	12000	12000	18000	24000
EER/C.O.P			W/W	2.40	2.40	2.75	2.64	2.40
Power Supply			Ph,V,Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz	1Ph,220V,60Hz	1Ph,220V,60Hz
Power Input	Cooling	W	610	980	1280	1330	2200	2930
Rated Current	Cooling	A	6.80	9.85	11.1	6	12.50	19.2
Airflow Volume	Indoor	m³/h	210	420	500	500	850	860
	Outdoor	dB(A)(H/ML)	59/-54	61/59/57	58/56/54	58/56/54	64/62/60	64/62/60
Sound Pressure Level			dB(A)	64	64	64/62/60	64/62/60	69
Outline Dimension	W×H×D	mm	408×303×333	472×324×400	483×370×540	483×370×540	600×450×610	674×473×668
Package Dimension	W×H×D	mm	456×380×391	558×375×458	558×435×585	558×435×585	666×515×721	812×515×744
Net Weight/Gross Weight			kg	16.5/17.5	21/23	30/33	30/33	50/53
Loading Quantity	40'GP	sets	900	630	415	415	204	172
	40'HQ	sets	1050	735	495	495	255	215

22

Model			GJC08BK-A1RND2C	GJC12BL-A1RND2C	GJC12BL-D1RND2C	GJC18BM-D1RND2C	GJC24BN-D1RND2C
Function			Cooling	Cooling	Cooling	Cooling	Cooling
Capacity	Cooling	Btu/h	8000	12000	12000	18000	24000
EER/C.O.P		W/W	2.40	2.75	2.64	2.40	2.40
Power Supply		Ph,V,Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz	1Ph,220V,60Hz	1Ph,220V,60Hz	1Ph,220V,60Hz
Power Input	Cooling	W	980	1280	1330	2200	2930
Rated Current	Cooling	A	9.85	11.1	6	12.50	19.2
Airflow Volume	Indoor	m³/h	420	500	500	850	860
Sound Pressure Level	Indoor	dB(A)(H/ML)	61/59/57	58/56/54	58/56/54	64/62/60	64/62/60
	Outdoor	dB(A)	64	64/62/60	64/62/60	69	69
Outline Dimension	W×H×D	mm	472×324×400	483×370×540	483×370×540	600×450×610	674×473×668
Package Dimension	W×H×D	mm	558×375×458	558×435×585	558×435×585	666×515×721	812×515×744
Net Weight/Gross Weight		kg	21/23	30/33	30/33	50/53	61/66
Loading Quantity	40'GP	sets	630	415	415	204	172
	40'HQ	sets	735	495	495	255	215



## Coolani Series

R22



## 3D Airflow

↘ Circulating airflow reaches every corner of your room.



Timer



Fresh Air Supply Ventilation



Automatic Operation



Auto Restart



3D Airflow



LED Display



Comfortable Sleep Mode



Lock



Energy Saver



Compact Design



Golden Fin

Features: ● Standard ● Optional

R22

Model			GJC05BQ-D1MND1A	GJC05BQ-D1RND1A	GJC07AA-D1MNB8A	GJC07AA-D1RNB9A	GJC07AF-D1RNB9A
Function			Cooling	Cooling	Cooling	Cooling	Cooling
Capacity	Cooling	Btu/h	5100	5100	6820	6820	7500
EER/C.O.P		W/W	2.67	2.67	2.86	2.86	3.28
Power Supply		Ph,V,Hz	1Ph,220V,60HZ	1Ph,220V,60HZ	1Ph,220V,60HZ	1Ph,220V,60HZ	1Ph,220V,60HZ
Power Input	Cooling	W	560	560	700	700	670
Rated Current	Cooling	A	2.6	2.6	3.18	3.18	3.05
Airflow Volume	Indoor	m³/h	230/-/160	230/190/160	350/300/250	350/300/250	470/420/370
	Outdoor	dB(A)(H/M/L)	59/-/54	59/56/54	48/46/44	48/46/44	49/47/45
Sound Pressure Level	Indoor	dB(A)(H/M/L)	59/-/54	59/56/54	48/46/44	48/46/44	49/47/45
	Outdoor	dB(A)(H/M/L)	64/-/60	64/62/60	55/53/51	55/53/51	56/54/52
Outline Dimension	W×H×D	mm	408×303×385	408×303×385	580×350×450	580×350×450	668×375×560
Package Dimension	W×H×D	mm	457×373×435	457×373×435	521×374×671	521×374×671	623×425×766
Net Weight/Gross Weight		kg	18.5/20	18.5/20	31/34	31/34	39/43
Loading Quantity							
	40'GP	sets	810	810	444	444	285
	40'HQ	sets	945	945	518	518	342

R22

Model			GJC09AB-D1MNB8A	GJC09AB-D1RNB9A	GJC09AF-D1RNB9A	GJC12AB-D1MNB8A	GJC12AB-D1RNB9A
Function			Cooling	Cooling	Cooling	Cooling	Cooling
Capacity	Cooling	Btu/h	9200	9200	9700	12000	12000
EER/C.O.P		W/W	3.0	3.0	3.39	2.80	2.80
Power Supply		Ph,V,Hz	1Ph,220V,60HZ	1Ph,220V,60HZ	1Ph,220V,60HZ	1Ph,220V,60HZ	1Ph,220V,60HZ
Power Input	Cooling	W	900	900	840	1250	1250
Rated Current	Cooling	A	4.10	4.14	3.82	5.68	5.73
Airflow Volume	Indoor	m³/h	480/430/380	480/430/380	470/420/370	500/450/400	500/450/400
	Outdoor	dB(A)(H/M/L)	49/47/45	49/47/45	49/47/45	52/50/48	52/50/48
Sound Pressure Level	Indoor	dB(A)(H/M/L)	49/47/45	49/47/45	49/47/45	52/50/48	52/50/48
	Outdoor	dB(A)(H/M/L)	56/54/52	56/54/52	56/54/52	60/58/56	60/58/56
Outline Dimension	W×H×D	mm	618×375×560	618×375×560	668×375×560	618×375×560	618×375×560
Package Dimension	W×H×D	mm	621×435×687	621×435×687	623×425×766	621×435×687	621×435×687
Net Weight/Gross Weight		kg	42/46	42/46	45/49	49/53	49/53
Loading Quantity							
	40'GP	sets	285	285	285	285	285
	40'HQ	sets	342	342	342	342	342

R22

Model			GJC12AD-D1RNB9A	GJC18AC-D1MNB8A	GJC18AC-D1RNB9A	GJC24AC-D1MNB8A	GJC24AC-D1RNB9A
Function			Cooling	Cooling	Cooling	Cooling	Cooling
Capacity	Cooling	Btu/h	12100	17400	17400	23200	23200
EER/C.O.P		W/W	3.20	2.83	2.83	2.92	2.92
Power Supply		Ph,V,Hz	1Ph,220V,60HZ	1Ph,220V,60HZ	1Ph,220V,60HZ	1Ph,220V,60HZ	1Ph,220V,60HZ
Power Input	Cooling	W	1110	1800	1800	2330	2330
Rated Current	Cooling	A	5.05	8.18	8.18	10.59	10.59
Airflow Volume	Indoor	m³/h	750/700/650	950/900/850	950/900/850	950/900/850	950/900/850
	Outdoor	dB(A)(H/M/L)	52/50/48	54/52/50	54/52/50	56/54/52	56/54/52
Sound Pressure Level	Indoor	dB(A)(H/M/L)	52/50/48	54/52/50	54/52/50	56/54/52	56/54/52
	Outdoor	dB(A)(H/M/L)	60/58/56	62/60/58	62/60/58	63/61/59	63/61/59
Outline Dimension	W×H×D	mm	700×428×660	770×428×660	770×428×660	770×428×660	770×428×660
Package Dimension	W×H×D	mm	739×515×793	739×515×863	739×515×863	739×515×863	739×515×863
Net Weight/Gross Weight		kg	52/57	59/64	59/64	68/73	68/73
Loading Quantity							
	40'GP	sets	184	160	160	160	160
	40'HQ	sets	230	200	200	200	200



PTAC



### High Energy Efficiency

- Heat pump even offers greater energy savings.

### Auto Restart

- If power failure occurs, the unit will be automatically restarted up with previous setting after power is resumed.



Quiet Design



Fresh Air  
Supply Ventilation



Auxiliary Heating



Auto Restart



Self-diagnosis



LED Display

Features: ● Standard ● Optional



Model			GAE07AE-D3RNB5F	GAA07AE-D3RNB5F	GAE07AE-D3RNB5D	GAA07AE-D3RNB5D	GAE09AE-D3RNB5F	GAA09AE-D3RNB5F
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	7200/7000	7200/7000	7200/7000	7200/7000	9400/9200	9400/9200
	Heating	Btu/h	/	6000/5800	/	6000/5800	/	8300/8100
	E/heating	Btu/h	8300/6800	8300/6800	11700/9600	11700/9600	8300/6800	8300/6800
SEER		Btu/ (h-w)	13.0/13.0	13.0/3.6	13.0/13.0	13.0/3.6	12.1/12.1	12.1/3.5
Power Supply		Ph,V,Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz
Power Input	Cooling	W	550/535	550/535	550/535	550/535	775/760	775/760
	Heating	W	/	485/470	/	485/470	/	695/675
	E/heating	W	2450/2000	2450/2000	3450/2820	3450/2820	2450/2000	2450/2000
Rated Current	Cooling	A	2.7/2.9	2.7/2.9	2.7/2.9	2.7/2.9	3.7/3.9	3.7/3.9
	Heating	W	/	2.4/2.6	/	2.4/2.6	/	3.2/3.4
	E/heating	W	10.7/9.7	10.7/9.7	15.0/13.6	15.0/13.6	10.7/9.7	10.7/9.7
Airflow Volume	Indoor side	m³/h	530	530	530	530	560	560
Sound Pressure Level	Indoor side	dB(A)(SHH/ML)	50/-/48	50/-/48	50/-/48	50/-/48	52/-/50	52/-/50
	Outdoor	dB(A)(SHH/ML)	60/-/58	60/-/58	60/-/58	60/-/58	62/-/60	62/-/60
Outline Dimension	W×H×D	mm	1069×406×546	1069×406×546	1069×406×546	1069×406×546	1069×406×546	1069×406×546
		inch	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2
Package Dimension	W×H×D	mm	1147×648×469	1147×648×469	1147×648×469	1147×648×469	1147×648×469	1147×648×469
		inch	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2
Net Weight/Gross Weight	Indoor	Kg	48/57	51/60	48/57	51/60	52/61	54/63
		lb	105.8/125.7	112.5/132.3	105.8/125.7	112.5/132.3	114.7/134.5	119.1/138.9
Loading Quantity	40'GP	sets	144	144	144	144	144	144
	40'HQ	sets	180	180	180	180	180	180



Model			GAE09AE-D3RNB5D	GAA09AE-D3RNB5D	GAE12AE-D3RNB5F	GAA12AE-D3RNB5F	GAE12AE-D3RNB5D	GAA12AE-D3RNB5D
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	9400/9200	9400/9200	11800/11600	11800/11600	11800/11600	11800/11600
	Heating	Btu/h	/	8300/8100	/	10600/10400	/	10600/10400
	E/heating	Btu/h	11700/9600	11700/9600	8300/6800	8300/6800	11700/9600	11700/9600
SEER		Btu/ (h-w)	12.1/12.1	12.1/3.5	11.6/11.6	11.6/3.4	11.6/11.6	11.6/3.4
Power Supply		Ph,V,Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz
Power Input	Cooling	W	775/760	775/760	1015/1000	1015/1000	1015/1000	1015/1000
	Heating	W	/	695/675	/	910/895	/	910/895
	E/heating	W	3450/2820	3450/2820	2450/2000	2450/2000	3450/2820	3450/2820
Rated Current	Cooling	A	3.7/3.9	3.7/3.9	4.9/5.1	4.9/5.1	4.9/5.1	4.9/5.1
	Heating	W	/	3.2/3.4	/	4.2/4.7	/	4.2/4.7
	E/heating	W	15.0/13.6	15.0/13.6	10.7/9.7	10.7/9.7	15.0/13.6	15.0/13.6
Airflow Volume	Indoor side	m³/h	560	560	580	580	580	580
Sound Pressure Level	Indoor side	dB(A)(SHH/ML)	52/-/50	52/-/50	53/-/50	53/-/50	53/-/50	53/-/50
	Outdoor	dB(A)(SHH/ML)	62/-/60	62/-/60	63/-/60	63/-/60	63/-/60	63/-/60
Outline Dimension	W×H×D	mm	1069×406×546	1069×406×546	1069×406×546	1069×406×546	1069×406×546	1069×406×546
		inch	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2
Package Dimension	W×H×D	mm	1147×648×469	1147×648×469	1147×648×469	1147×648×469	1147×648×469	1147×648×469
		inch	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2
Net Weight/Gross Weight	Indoor	Kg	52/61	54/63	54/63	55/64	54/63	55/64
		lb	114.7/134.5	119.1/138.9	119.1/138.9	121.3/141.1	119.1/138.9	121.3/141.1
Loading Quantity	40'GP	sets	144	144	144	144	144	144
	40'HQ	sets	180	180	180	180	180	180





Model			GAE12AE-D3RNB5E	GAA12AE-D3RNB5E	GAE15AE-D3RNB5D	GAA15AE-D3RNB5D	GAE15AE-D3RNB5E	GAA15AE-D3RNB5E
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	11800/11600	11800/11600	14500/14200	14500/14200	14500/14200	14500/14200
	Heating	Btu/h	/	10600/10400	/	13300/13000	/	13300/13000
	E/heating	Btu/h	17000/13900	17000/13900	11700/9600	11700/9600	17000/13900	17000/13900
SEER		Btu/ (h-w)	11.6/11.6	11.6/3.4	10.4	10.4/3.1	10.4	10.4/3.1
Power Supply		Ph,V,Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz
Power Input	Cooling	W	1015/1000	1015/1000	1390/1365	1390/1365	1390/1365	1390/1365
	Heating	W	/	910/895	/	1255/1225	/	1255/1225
	E/heating	W	5000/4089	5000/4089	3450/2820	3450/2820	5000/4089	5000/4089
Rated Current	Cooling	A	4.9/5.1	4.9/5.1	6.2/6.7	6.2/6.7	6.2/6.7	6.2/6.7
	Heating	W	/	4.2/4.7	/	6.2/6.7	/	6.2/6.7
	E/heating	W	21.8/19.7	21.8/19.7	15.0/13.6	15.0/13.6	21.8/19.7	21.8/19.7
Airflow Volume	Indoor side	m³/h	580	580	580	580	580	580
Sound Pressure Level	Indoor side	dB(A)(SHH/M/L)	53/-/50	53/-/50	54/-/51	54/-/51	54/-/51	54/-/51
	Outdoor	dB(A)(SHH/M/L)	63/-/60	63/-/60	64/-/61	64/-/61	64/-/61	64/-/61
Outline Dimension	W×H×D	mm	1069×406×546	1069×406×546	1069×406×546	1069×406×546	1069×406×546	1069×406×546
		inch	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2
Package Dimension	W×H×D	mm	1147×648×469	1147×648×469	1147×648×469	1147×648×469	1147×648×469	1147×648×469
		inch	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2
Net Weight/Gross Weight	Indoor	Kg	54/63	55/64	54.5/63.5	56/65	54.5/63.5	56/65
		lb	119.1/138.9	121.3/141.1	120.2/140	123.5/143.3	120.2/140	123.5/143.3
Loading Quantity	40'GP	sets	144	144	144	144	144	144
	40'HQ	sets	180	180	180	180	180	180



Model			GAE07AE-P3RNB5F	GAA07AE-P3RNB5F	GAE07AE-P3RNB5D	GAA07AE-P3RNB5D	GAE09AE-P3RNB5F	GAA09AE-P3RNB5F
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	7200	7200	7200	7200	9400	9400
	Heating	Btu/h	/	6000	/	6000	/	8300
	E/heating	Btu/h	8300/6800	8300/6800	11700/9600	11700/9600	8300/6800	8300/6800
SEER		Btu/ (h-w)	13	13.0/3.6	13	13.0/3.6	12.1	12.1/3.5
Power Supply		Ph,V,Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz	1Ph, 230/208V,60Hz
Power Input	Cooling	W	550	550	550	550	775	775
	Heating	W	/	485	/	485	/	695
	E/heating	W	2450	2450	3450	3450	2450	2450
Rated Current	Cooling	A	2.4	2.4	2.4	2.4	3.3	3.3
	Heating	W	/	2.2	/	2.2	/	3.1
	E/heating	W	9.25	9.25	13.0	13.0	9.3	9.3
Airflow Volume	Indoor side	m³/h	530	530	530	530	560	560
Sound Pressure Level	Indoor side	dB(A)(SHH/ML)	50/-/48	50/-/48	50/-/48	50/-/48	52/-/50	52/-/50
	Outdoor	dB(A)(SHH/ML)	60/-/58	60/-/58	60/-/58	60/-/58	62/-/60	62/-/60
Outline Dimension	W×H×D	mm	1069×406×546	1069×406×546	1069×406×546	1069×406×546	1069×406×546	1069×406×546
		inch	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2
Package Dimension	W×H×D	mm	1147×648×469	1147×648×469	1147×648×469	1147×648×469	1147×648×469	1147×648×469
		inch	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2
Net Weight/Gross Weight	Indoor	Kg	48.5/57.5	50.5/59.5	48.5/57.5	50.5/59.5	52/61	54/63
		lb	106.9/126.8	111.4/131.2	106.9/126.8	111.4/131.2	114.7/134.5	119.1/138.9
Loading Quantity	40'GP	sets	144	144	144	144	144	144
	40'HQ	sets	180	180	180	180	180	180



Model			GAE09AE-P3RNB5D	GAA09AE-P3RNB5D	GAE12AE-P3RNB5F	GAA12AE-P3RNB5F	GAE12AE-P3RNB5D	GAA12AE-P3RNB5D
Function			Cooling	Cooling/Heating	Cooling	Cooling/Heating	Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	9400	9400	11800	11800	11800	11800
	Heating	Btu/h	/	8300	/	10600	/	10600
	E/heating	Btu/h	11700	11700	8300	8300	11700	11700
SEER		Btu/ (h·w)	12.1	12.1/3.5	11.6	11.6/3.4	11.6	11.6/3.4
Power Supply		Ph,V,Hz	1Ph, 265V,60Hz	1Ph, 265V,60Hz	1Ph, 265V,60Hz	1Ph, 265V,60Hz	1Ph, 265V,60Hz	1Ph, 265V,60Hz
Power Input	Cooling	W	775	775	1015	1015	1015	1015
	Heating	W	/	695	/	910	/	910
	E/heating	W	3450	3450	2450	2450	3450	3450
Rated Current	Cooling	A	3.3	3.3	4.2	4.2	4.2	4.2
	Heating	W	/	3.1	/	3.7	/	3.7
	E/heating	W	13.0	13.0	9.3	9.3	13.0	13.0
Airflow Volume	Indoor side	m³/h	560	560	580	580	580	580
Sound Pressure Level	Indoor side	dB(A)(SHH/ML)	52/-/50	52/-/50	53/-/50	53/-/50	53/-/50	53/-/50
	Outdoor	dB(A)(SHH/ML)	62/-/60	62/-/60	63/-/60	63/-/60	63/-/60	63/-/60
Outline Dimension	W×H×D	mm	1069×406×546	1069×406×546	1069×406×546	1069×406×546	1069×406×546	1069×406×546
		inch	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2
Package Dimension	W×H×D	mm	1147×648×469	1147×648×469	1147×648×469	1147×648×469	1147×648×469	1147×648×469
		inch	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2
Net Weight/Gross Weight	Indoor	Kg	52/61	54/63	53.5/62.5	54/63	53.5/62.5	54/63
		lb	114.7/134.5	119.1/138.9	118.0/137.8	119.1/138.9	118.0/137.8	119.1/138.9
Loading Quantity	40'GP	sets	144	144	144	144	144	144
	40'HQ	sets	180	180	180	180	180	180



Model			GAE12AE-P3RNB5E	GAA12AE-P3RNB5E	GAE15AE-P3RNB5D	GAA15AE-P3RNB5D	GAE15AE-P3RNB5E	GAA15AE-P3RNB5E
Function			Cooling	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	11800	11800	14500	14500	14500	14500
	Heating	Btu/h	/	10600	11700	11700	17000	17000
	E/heating	Btu/h	17000	17000	/	13300	/	13300
SEER		Btu/ (h·w)	11.6	11.6/3.4	10.4	10.4/3.1	10.4	10.4/3.1
Power Supply		Ph,V,Hz	1Ph, 265V,60Hz	1Ph, 265V,60Hz	1Ph, 265V,60Hz	1Ph, 265V,60Hz	1Ph, 265V,60Hz	1Ph, 265V,60Hz
Power Input	Cooling	W	1015	1015	1390	1390	1390	1390
	Heating	W	/	910	/	1255	/	1255
	E/heating	W	5000	5000	3450	3450	5000	5000
Rated Current	Cooling	A	4.2	4.2	5.4	5.4	5.4	5.4
	Heating	W	/	3.7	/	5	/	5
	E/heating	W	18.9	18.9	13.0	13.0	18.9	18.9
Airflow Volume	Indoor side	m³/h	580	580	580	580	580	580
Sound Pressure Level	Indoor side	dB(A)(SHH/ML)	53/-/50	53/-/50	54/-/51	54/-/51	54/-/51	54/-/51
	Outdoor	dB(A)(SHH/ML)	63/-/60	63/-/60	64/-/61	64/-/61	64/-/61	64/-/61
Outline Dimension	W×H×D	mm	1069×406×546	1069×406×546	1069×406×546	1069×406×546	1069×406×546	1069×406×546
		inch	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2	42×16×21 1/2
Package Dimension	W×H×D	mm	1147×648×469	1147×648×469	1147×648×469	1147×648×469	1147×648×469	1147×648×469
		inch	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2	45 1/6×25 1/2×18 1/2
Net Weight/Gross Weight	Indoor	Kg	53.5/62.5	54/63	54.5/63.5	55.0/64.0	54.5/63.5	55.0/64.0
		lb	118.0/137.8	119.1/138.9	120.2/140.0	121.3/143.3	120.2/140.0	121.3/143.3
Loading Quantity	40'GP	sets	144	144	144	144	144	144
	40'HQ	sets	180	180	180	180	180	180



# Koobe Series

Portable Series



## Compact Design

With 300 mm body design, it is designed for more flexibility and space saving.

## Self-diagnosis

The unit shows error code automatically to facilitate easier maintenance when it does not work well.



Features: ● Standard ● Optional

Model	GPC08AH-A3NNC5D		GPC09AH-A3NNC5D		GPC10AH-A3NNC5D	
Function	Cooling		Cooling		Cooling	
Capacity	Cooling	Btu/h	8000		9000	
	Heating	Btu/h	/		/	
	E/heating	Btu/h	/		/	
EER/C.O.P	W/W		3.09		2.75	
Power Supply	Ph,V,Hz		1Ph,115V,60Hz		1Ph,115V,60Hz	
Power Input	Cooling	W	760		960	
	Heating	W	/		/	
	E/heating	W	/		/	
Rated Current	Cooling	A	8.90		11.69	
	Heating	W	/		/	
	E/heating	W	/		/	
Airflow Volume	Indoor side	m³/h	330/280		330/280/230	
Sound Pressure Level	Indoor side	dB(A)(SHH/ML)	55/53/51		56/54/52	
Outline Dimension	W×H×D	mm	300×790×345		300×790×345	
		inch	11.81×31.10×13.58		11.81×31.10×13.58	
Package Dimension	LxWxH	mm	565×355×840		565×355×840	
		inch	22.24×13.97×33.07		22.24×13.97×33.07	
Net Weight/Gross Weight	Indoor	Kg	24/30		24/30	
Loading Quantity	40'GP	sets	264		264	
	40'HQ	sets	396		396	

# Cutee Series

Portable Series



## Color Band Design

A unique color band is perfectly around the front panel, designed for your personalized style.

## High Energy Efficiency

Remarkable high efficiency system ensures more comfort and saves more energy.



Features: ● Standard ● Optional

Model	GPC08AI-A3NNC6D		GPC10AI-A3NNC6D	
Function	Cooling		Cooling	
Capacity	Cooling	Btu/h	8000	
	Heating	Btu/h	/	
	E/heating	Btu/h	/	
EER/C.O.P	W/W		2.90	
Power Supply	Ph,V,Hz		1Ph,115V,60Hz	
Power Input	Cooling	W	810	
	Heating	W	/	
	E/heating	W	/	
Rated Current	Cooling	A	8.20	
	Heating	W	/	
	E/heating	W	/	
Airflow Volume	Indoor side	m³/h	230/200/180	
Sound Pressure Level	Indoor side	dB(A)(SHH/ML)	53/51/49	
Outline Dimension	W×H×D	mm	340×780×394	
		inch	13.39×30.77×15.51	
Package Dimension	LxWxH	mm	400×550×815	
		inch	15.74×21.65×32.09	
Net Weight/Gross Weight	Indoor	Kg	24/29	
Loading Quantity	40'GP	sets	244	
	40'HQ	sets	366	



# Easy Cool Series

Portable Series



## Comfortable Sleep Mode

- When cooling, indoor temp automatically rises;  
When heating, indoor temp automatically drops.

## Auto Clean

- Cross fan continues blowing to dry indoor unit inside after switched off, to keep clean and healthy.



Features: ● Standard ● Optional

Model	GPC12AE-A3NNA8D			GPC12AE-A3NNA7D		
Function	Cooling			Cooling		
Capacity	Cooling	Btu/h	12000	12000		
	Heating	Btu/h	/	/		
	E/heating	Btu/h	/	/		
EER/C.O.P	W/W		2.40	2.40		
Power Supply	Ph,V,Hz		1Ph,115V,60Hz	1Ph,115V,60Hz		
Power Input	Cooling	W	1465	1465		
	Heating	W	/	/		
	E/heating	W	/	/		
Rated Current	Cooling	A	16.0	16.0		
	Heating	W	/	/		
	E/heating	W	/	/		
Airflow Volume	Indoor side	m³/h	360/310/280	360/310/280		
Sound Pressure Level	Indoor side	dB(A)(SHH/ML)	53/51/49	53/51/49		
Outline Dimension	W×H×D	mm	450×840×435	450×840×400		
		inch	17.72×33.07×17.13	17.72×33.07×17.13		
		mm	531×505×875	533×488×863		
Package Dimension	L×W×H	mm	531×505×875	533×488×863		
		inch	20.91×19.88×34.45	20.98×19.21×33.98		
Net Weight/Gross Weight	Indoor	Kg	36.5/41.5	36.5/41.5		
Loading Quantity	40'GP	sets	184	192		
	40'HQ	sets	276	288		

# Laffis Series

Portable Series



## Elegant Appearance

- Sleek as laffis, a curve surface gives an elegant impression.

## Heating Pump

- Heating pump is available to meet your needs for both cooling and heating.

## Flexible Castor

- Easy for movement.



Features: ● Standard ● Optional

Model	GPC12AE-A3NNKA7A			GPH12AE-A3NNKA7A		
Function	Cooling			Cooling/Heating		
Capacity	Cooling	Btu/h	12000	12000		
	Heating	Btu/h	/	/		
	E/heating	Btu/h	/	/		
EER/C.O.P	Btu/w.h		2.40	2.40		
Power Supply	Ph,V,Hz		1Ph,115V,60Hz	1Ph,115V,60Hz		
Power Input	Cooling	W	1465	1465		
	Heating	W	/	/		
	E/heating	W	/	/		
Rated Current	Cooling	A	16.0	16.0		
	Heating	A	/	/		
	E/heating	A	/	/		
Airflow Volume	Indoor side	m³/h	360/310/280	360/310/280		
Sound Pressure Level	Indoor side	dB(A)(H/M/L)	53/51/49	53/51/49		
Outline Dimension	W×H×D	mm	450×840×435	450×840×400		
		inch	17.72×33.07×17.13	17.72×33.07×17.13		
		mm	531×505×875	533×488×863		
Package Dimension	L×W×H	mm	531×505×875	533×488×863		
		inch	20.91×19.88×34.45	20.98×19.21×33.98		
Net Weight /Gross Weight	Indoor	Kg	36.5/41.5	36.5/41.5		
		lb	80/91	80/91		
Loading Quantity	40'GP	sets	184	192		
	40'HQ	sets	276	288		



# Sunny Series

## Dehumidifier Series



### Consecutive Drainage Function

Free of the hassle of pouring water away yourself.

### 5°C Low Temperature Operation

Operate finely at 5°C, making you enjoy fresh air under any environment.



Features: ● Standard ● Optional

Model		GDN50AI-A3EBB3B	GDN70AI-A3EBB3B	GDN70AI-A3EBB3C
Dehumidifying Volume	Pints/D	50	70	70
EF	L/Kwh	1.60	1.82	1.85
Power Supply	Ph,V,Hz	1Ph,115V,60Hz	1Ph,115V,60Hz	1Ph,115V,60Hz
Power Input	W	615	760	745
Rated Current	A	6.1	7.3	8.4
Airflow Volume	m³/h	360/330/270	360/330/270	360/330/270
Sound Pressure Level	dB(A)(H/L)	49/47/45	49/47/45	49/47/45
Water Tank Volume	L	7.1/8.3	7.1/8.3	7.1/8.3
Outline Dimension (W×H×D)	mm	383×611×282	383×611×282	383×611×292
Package Dimension (W×H×D)	mm	440×655×346	440×655×346	440×655×346
Net Weight/Gross Weight	kg	20/21	20.5/22	20.5/22
Loading Quantity (40'GP)	sets	525	525	525
Loading Quantity (40'HQ)	sets	700	700	700

# Diamond Series

## Dehumidifier Series



### Innovative Water Tank Design

The water tank is installed on the back of the body, to present a perfect outlook.



\*Apply to selected units.

Features: ● Standard ● Optional

Model		GDN60AN-A3EBD1G
Dehumidifying Volume	L/D	30
Power Supply	Ph,V,Hz	1Ph,115V,60Hz
Power Input	W	640
Power Current	A	5.6
Rated Current	A	6.3
Airflow Volume	m³/h	260/230/200
Sound Pressure Level	dB(A)(H/L)	49/47/45
Water Tank Volume	L	7.8/8.7
Outline Dimension(W×H×D )	mm	348×615×348
	inch	13.7×24.2×13.7
Package Dimension(W×H×D )	mm	403×388×660
	inch	15.9×15.3×25.9
Net Weight /Gross Weight	Kg	21.5/25
	lb	47.5/55
Loading Quantity ( 40'GP)	sets	522
Loading Quantity ( 40'HQ)	sets	695



# Precise Series

## Dehumidifier Series



### High Loading Quantity

▼ Nearly 1600 sets per 40'HQ saves more space and shipment cost.

### Innovative Water Tank Design

▼ The water tank is installed on the back of the body, to present a perfect outlook.

# Grandeur Series

## Dehumidifier Series



### Water overflow protection

▼ A signal is given when water level has reached the maximum level



\*Apply to selected units.

Features: ● Standard ● Optional

Model		GDN30AQ-A3EBA1A
Dehumidifying Volume	L/D	14.2
Power Supply	Ph,V,Hz	1Ph,115V,60Hz
Power Input	W	320
Power Current	A	3.2
Rated Current	A	3.4
Airflow Volume	m³/h	210/190/170
Sound Pressure Level	dB(A)(H/L)	52/50/48
Water Tank Volume	L	3.6/4.2
Outline Dimension(W×H×D )	mm	351×492×260
	inch	13.82×19.37×10.24
Package Dimension(W×H×D )	mm	407×530×329
	inch	16.02×20.87
Net Weight /Gross Weight	Kg	15/17
	lb	34.2/37.5
Loading Quantity ( 40'GP)	sets	812
Loading Quantity ( 40'HQ)	sets	1013

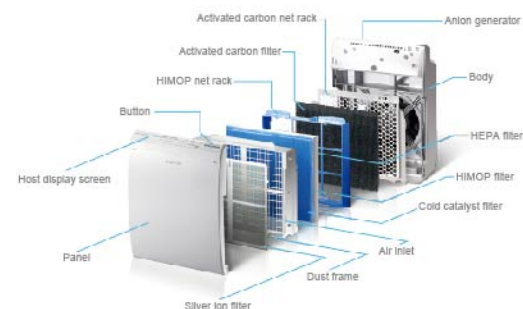


\*Apply to selected units.

Features: ● Standard ● Optional

Model		GDN30AQ-A3EBA1A	GDN70AS-A3EBA1A	GDN100AM-A3EBA1A
Dehumidifying Volume	L/D	18.9	33.1	45
Power Supply	Ph,V,Hz	1Ph,115V,60Hz	1Ph,115V,60Hz	1Ph,115V,60Hz
Power Input	W	425	745	745
Power Current	A	4.0	6.5	6.8
Rated Current	A	4.5	7.2	7.5
Airflow Volume	m³/h	190/160/145	330/290/250	440/400/350
Sound Pressure Level	dB(A)(H/L)	48/46/44	49/47/45	53/51/49
Water Tank Volume	L	3.8/4.7	6/7	4.5/6
Outline Dimension(W×H×D )	mm	355×495×280	380×610×285	465×625×353
	inch	13.98×19.49×11.02	14.96×24.02×11.22	18.31×24.61×13.89
Package Dimension(W×H×D )	mm	443×528×328	473×655×377	553×663×437
	inch	17.44×20.79	18.62×25.79	21.77×26.1
Net Weight /Gross Weight	Kg	16.5/18.5	22/24.5	31/36
	lb	36.4/39.7	48.5/55	68.3/79.4
Loading Quantity ( 40'GP)	sets	752	510	336
Loading Quantity ( 40'HQ)	sets	939	679	447

# Air Purifier



## HEPA High Efficiency Dedusting Filter

- Eliminate 99.97% of dust and almost 100% of cigarette.

## HIMOP Odor-free Filter

- Focus on absorption of formaldehyde and other hazardous odor.

## Anions Generating Function

- 1,200,000-1,400,000 anions per cubic centimeter are generated under turbo mode, starting your day revitalized.



Features: ● Standard ● Optional

Model	GCF280CANA	
Power Supply	1Ph, 115V, 60Hz	
Function	Filter	
Power Input	W	62
Rated Current	A	-
Airflow Volume	m³/h	280
Recommend Area	m²	20
Sound Pressure Level	dB(A)(SH/H/ML)	48/38/34/28
CADR	m³/h	240
Outline Dimension (W×H×D)	mm	396×576×245
Package Dimension (W×H×D)	mm	449×635×303
Net Weight/Gross Weight	kg	10/12
Loading Quantity (40'GP)	sets	591
Loading Quantity (40'HQ)	sets	786

# Free-Match 2 Series



## Various Combinations

- Different units for choices, the same comfortable feeling for you.

## G10 Inverter Technology

- Lower power consumption
- Lower noise, more comfort
- Precise temperature control

## -15°C Low Temperature Operation


- Operate finely when cooling at -15°C.




Bluh	9000	12000	18000	21000	24000
Wall-mounted Type					
Console					
Duct					
Cassette					
Floor ceiling					




4 combinations

 GWHD(18)ND3CO	One unit	Two units	
	9	9+9	
	12	9+12	


11 combinations

 GWHD(24)ND3CO	Two units		Three units	
	9+9	9+12	9+9+9	9+12+12
	9+18	12+12	9+9+12	9+ 9+18
	12+18	18+18	12+12+12	


16 combinations

 GWHD(30)ND3CO	Two unit		Three units			Four units	
	9+9	9+12	9+9+9	9+9+18	9+9+9+9	9+9+9+12	9+9+12+12
	9+18	12+12	9+12+12	9+12+18	12+12+12		
	12+18	18+18	12+12+18				

47 combinations

 GWHD(36)NK3AO	One unit	Two units		Three units			Four units	
		9+9	12+24	9+9+9	9+12+24	12+12+24	9+9+9+9	9+9+18+18
		9+12	18+18	9+9+12	9+18+18	12+18+18	9+9+9+12	9+12+12+12
		9+18	18+21	9+9+18	9+18+21	12+18+21	9+9+9+18	9+12+12+18
		9+21	18+24	9+9+21	9+18+24	18+18+18	9+9+9+21	12+12+12+12
		9+24	21+21	9+9+24	9+21+21		9+9+9+24	
		12+12	21+24	9+12+12	12+12+12		9+9+12+12	
		12+18	24+24	9+12+18	12+12+18		9+9+12+18	
		12+21		9+12+21	12+12+21		9+9+12+21	

87 combinations

 GWHD(42)NK3AO	One unit	Two units		Three units			Four units			Five units	
		9+9	18+21	9+9+9	9+18+21	12+18+21	9+9+9+9	9+9+18+21	9+18+18+18	9+9+9+9+9	9+9+12+12+18
		9+12	18+24	9+9+12	9+18+24	12+18+24	9+9+9+12	9+9+18+24	12+12+12+12	9+9+9+9+12	9+9+12+12+21
		9+18	21+21	9+9+18	9+21+21	12+21+21	9+9+9+18	9+9+21+21	12+12+12+18	9+9+9+9+18	9+12+12+12+12
		9+21	21+24	9+9+21	9+21+24	12+21+24	9+9+9+21	9+12+12+12	12+12+12+21	9+9+9+9+21	9+12+12+12+18
		9+24	24+24	9+9+24	9+24+24	12+24+24	9+9+9+24	9+12+12+18	12+12+12+24	9+9+9+9+24	12+12+12+12+12
		12+12		9+12+12	12+12+12	18+18+18	9+9+12+12	9+12+12+21	12+12+18+18	9+9+9+12+12	
		12+18		9+12+18	12+12+18	18+18+21	9+9+12+18	9+12+12+24	12+12+18+21	9+9+9+12+18	
		12+21		9+12+21	12+12+21	18+18+24	9+9+12+21	9+12+18+18		9+9+9+12+21	
		12+24		9+12+24	12+12+24	18+21+21	9+9+12+24	9+12+18+21		9+9+9+18+18	
		18+18		9+18+18	12+18+18	21+21+21	9+9+18+18	9+12+21+21		9+9+12+12+12	

Outdoor Unit

Model			GWHD(18)ND3CO	GWHD(24)ND3CO	GWHD(30)ND3CO	GWHD(36)NK3AO	GWHD(42)NK3AO
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	18000(7000~21000)	26000(7500~33000)	29000(7500~34000)	33400	41285.2
	Heating	Btu/h	19000(8530~22600)	29000(7500~35000)	30500(7500~36000)	37500	44400
EER/C.O.P		W/W	16/8.2	16/8.2	16/8.2	3.23/3.65	3.37/3.67
Power Supply		Ph,V,Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph, 220-240V,50Hz	1Ph,220-240V,60Hz~60Hz
Power Input	Cooling	W	1650(680~2800)	3050(650~4500)	3450(650~4500)	3030	3590
	Heating	W	1640(680~2800)	2800(980~3950)	2850(980~3950)	3010	3540
Sound Pressure Level	Outdoor unit	dB(A)	56	56	56	56	57
Piping Connection	Gas	mm	φ9.52	φ9.52	φ9.52	φ15.9	φ15.9
	Liquid	mm	φ6	φ6	φ6	φ9.52	φ9.52
Outline Dimension	W×H×D	mm	899×596×378	946×700×396	946×700×396	950×412×840	1015×440×1103
Package Dimension	W×H×D	mm	948×645×420	1029×750×458	1029×750×458	1103×920×453	1158×1220×483
Net Weight/Gross Weight		kg	43/48	61/66	62/67	75/83	102/112
Loading Quantity	40'GP	sets	204	171	171	106	48
	40'HQ	sets	272	171	171	106	96

Note:

Outdoor unit for 36K BTU/h has 4 sets of piping connection:

①φ15.9mm(Gas), φ9.52mm(Liquid); ②φ12.7mm(Gas),φ6.35mm(Liquid); ③φ9.52mm(Gas),φ6.35mm(Liquid);④φ9.52mm(Gas),φ6.35mm(Liquid).

Outdoor unit for 42K BTU/h has 5 sets of piping connection:

①φ15.9mm(Gas), φ9.52mm(Liquid); ②φ12.7mm(Gas),φ6.35mm(Liquid); ③φ9.52mm(Gas),φ6.35mm(Liquid); ④φ9.52mm(Gas),φ6.35mm(Liquid); ⑤φ9.52mm(Gas), φ6.35mm(Liquid).

Free Match Indoor Unit Hansol

Model			GWHD9TB-D3DNA1AI	GWHD12TB-D3DNA1AI	GWHD18TC-D3DNA1AI
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000	12000	18000
	Heating	Btu/h	9800	13000	19000
Airflow Volume			Indoor	m³/h	730
Sound Pressure Level			Indoor	dB(A) (SHH/MH/MML/L/SL)	43/36/34/32/30/29/28
Outline Dimension			W×H×D	mm	866×292×209
Package Dimension			W×H×D	mm	888×297×377
Net Weight /Gross Weight			Indoor	kg	11/14
Loading Quantity	40'GP	sets	566	566	381
	40'HQ	sets	640	640	442

Free Match Indoor Unit U-Cool

Model			GWHD9UB-D3DNA1AI	GWHD12UB-D3DNA1AI	GWHD18UC-D3DNA1AI
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000	12000	18000
	Heating	Btu/h	9800	13000	19800
Airflow Volume			Indoor	m³/h	510
Sound Pressure Level			Indoor	dB(A) (SHH/MH/MML/L/SL)	41/37/35/32/30/28/25
Outline Dimension			W×H×D	mm	896×320×159
Package Dimension			W×H×D	mm	973×255×403
Net Weight /Gross Weight			Indoor	kg	12/15
Loading Quantity	40'GP	sets	597	597	443
	40'HQ	sets	662	662	498

Free Match Indoor Unit Cozy

Model			GWH09MB-D3DNA3D/I	GWH12MB-D3DNA3D/I	GWH18MC-D3DNA3D/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000	12000	18000
	Heating	Btu/h	9800	13000	19800
Airflow Volume	Indoor	m³/h	560	580	850
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	41/37/35/26	42/38/36/28	46/44/40/35
Outline Dimension	W×H×D	mm	845×275×180	845×275×180	940×298×200
Package Dimension	W×H×D	mm	918×370×258	918×370×258	1013×300×383
Net Weight /Gross Weight	Indoor	kg	10/13	10/13	13/17
Loading Quantity	40'GP	sets	684	684	539
	40'HQ	sets	798	798	607

Free Match Indoor Unit Console

Model			GEH(09)AA-D3DNA1C/I	GEH(12)AA-D3DNA1C/I	GEH(18)AA-D3DNA1C/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000	12000	18000
	Heating	Btu/h	9500	13000	19800
Airflow Volume	Indoor	m³/h	500	600	650
Sound Pressure Level	Indoor	dB(A) (SH/H/MH/M/ML/L/SL)	40/38/36/33/30/26/25	43/40/38/37/35/32/27	48/46/44/41/37/35/33
Outline Dimension	W×H×D	mm	700×600×215	700×600×215	700×600×215
Package Dimension	W×H×D	mm	788×697×283	788×697×283	788×697×283
Net Weight /Gross Weight	Indoor	kg	15/18	15/18	15/18
Loading Quantity	40'GP	sets	381	381	381
	40'HQ	sets	454	454	454

Free Match Indoor Unit Duct

Model			GFH(09)EA-D3DNA1A/I	GFH(12)EA-D3DNA1A/I	GFH(18)EA-D3DNA1A/I	GFH(21)EA-D3DNA1A/I	GFH(24)EA-D3DNA1A/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8500	11900	15300	20400	23800
	Heating	Btu/h	9500	13100	18700	22600	27400
Airflow Volume	Indoor	m³/h	450	550	700	1000	1000
Sound Pressure Level	Indoor	dB(A)(H/L)	37/31	39/32	41/33	42/34	42/34
Outline Dimension	W×H×D	mm	700×615×200	700×615×200	900×615×200	1100×615×200	1100×615×200
Package Dimension	W×H×D	mm	893×743×305	893×743×305	1123×743×305	1323×743×305	1323×743×305
Net Weight /Gross Weight	Indoor	kg	22/27	23/29	27/36	31/41	31/41
Loading Quantity	40'GP	sets	234	234	192	162	162
	40'HQ	sets	234	234	192	162	162

Free Match Indoor Unit Cassette

Model			GKHD(12)ABND3A2AI	GKHD(18)ABND3A2AI	GKH(24)BA-D3DNA1A/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	12000	18000	22800
	Heating	Btu/h	13500	19500	27400
Airflow Volume	Indoor	m³/h	580	860	1180
Sound Pressure Level	Indoor	dB(A)(H/M/L)	44/40/36	47/44/39	39/35
Outline Dimension	W×H×D	mm	600×230×600	600×230×600	840×840×240
Package Dimension	W×H×D	mm	848×310×678	848×310×678	963×963×325
Net Weight/Gross Weight of Body	Indoor	Kg	20/27	20/28	28/35
Panel					
Outline Dimension	W×H×D	mm	650×50×650	650×50×650	950×950×60
Package Dimension	W×H×D	mm	730×102×670	730×102×670	1043×1028×130
Net Weight of Panel	Outdoor	Kg	2.5	2.5	2.5
Loading Quantity	40'GP	sets	234	234	144
	40'HQ	sets	280	280	144

Free Match Indoor Unit Floor Ceiling

Model			GTH(09)BA-D3DNA1A/I	GTH(12)BA-D3DNA1A/I	GTH(18)BA-D3DNA1A/I	GTH(24)BA-D3DNA1A/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8500	11900	17000	22800
	Heating	Btu/h	9500	13100	18700	27400
Airflow Volume		m³/h	650	650	950	1250
Sound Pressure Level		dB(A)	40	40	45	48
Outline Dimension	W×H×D	mm	1220×700×225	1220×700×225	1220×700×225	1220×700×225
Package Dimension	W×H×D	mm	1343×823×315	1343×823×315	1343×823×315	1343×823×315
Net Weight /Gross Weight	Indoor	kg	40/50	40/50	40/50	45/54
Loading Quantity	40'GP	sets	132	132	132	132
	40'HQ	sets	132	132	132	132



# Free Match 3 Series

Capacity range from 18 to 42Btu/h can be widely used in residential house, hotel, business office and especially applicable in variable loading situation.



## Various Combinations

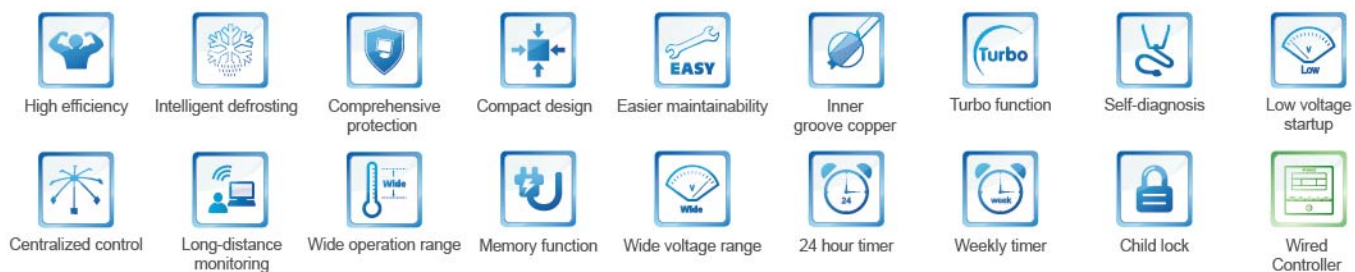
- Different units for choices, the same comfortable feeling for you.

## G10 Inverter Technology

- Lower power consumption
- Lower noise, more comfort
- Precise temperature control

## -15°C Low Temperature Operation

- Operate finely when cooling at -15°C.



Features: ● Standard ● Optional

Capacity Index(BTU/h)			9000	12000	18000	21000	24000
Wall mounted	U-cool		●	●	●		
	Hansol		●	●	●		
	Cozy		●	●	●		
Duct type			●	●	●	●	●
Cassette type				●	●		●
Floor ceiling type			●	●	●		●
Console type			●	●	●		

Item	Nominal operating condition(temperature)				Operation range(temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB(°C)	WB(°C)	DB(°C)	WB(°C)	DB(°C)
Cooling	35	23.9	26.7	19.4	-5~48
Heating	8.33	6.11	21.1	15.6	-15~24

## Combinations of Outdoor Unit

### 4 Combinations

	One unit	Two units	
	9	9+9	9+12
GWHD(18)ND3EO	12	-	-

### 11 Combinations

	Two units		Three units	
	9+9	9+12	9+9+9	9+12+12
GWHD(24)ND3EO	9+18	12+12	9+9+12	9+9+18
	12+18	18+18	12+12+12	-

### 24 Combinations

	Two units		Three units		Four units
	9+9	12+21	9+9+9	12+12+12	9+9+9+9
GWHD(30)ND3EO	9+12	12+24	9+9+12	12+12+18	9+9+9+12
	9+18	18+18	9+9+18	-	-
	9+21	18+21	9+9+21	-	-
	9+24	18+24	9+9+24	-	-
	12+12	21+21	9+12+18	-	-
	12+18	-	9+12+21	-	-
				-	-
				-	-

### 41 Combinations

	Two units		Three units		Four units	Five units
	9+9	12+24	9+9+9	9+12+24	9+9+9+9	9+9+9+9+9
GWHD(36)ND3EO	9+12	18+18	9+9+12	9+18+18	9+9+9+12	9+9+9+9+12
	9+18	18+21	9+9+18	9+18+21	9+9+9+18	-
	9+21	18+24	9+9+21	12+12+12	9+9+9+21	-
	9+24	21+21	9+9+24	12+12+18	9+9+12+12	-
	12+12	21+24	9+12+12	12+12+21	9+9+12+18	-
	12+18	24+24	9+12+18	12+12+24	9+12+12+12	-
	12+21	-	9+12+21	12+18+18	12+12+12+12	-
						-

### 44 Combinations

	Two units		Three units		Four units	Five units
	9+9	18+18	9+9+9	9+18+18	9+9+9+9	9+9+9+9+9
GWHD(42)ND3EO	9+12	18+21	9+9+12	9+18+21	9+9+9+12	9+9+9+9+12
	9+18	18+24	9+9+18	12+12+12	9+9+9+18	-
	9+21	21+21	9+9+21	12+12+18	9+9+9+21	-
	9+24	21+24	9+9+24	12+12+21	9+9+12+12	-
	12+12	24+24	9+12+12	12+12+24	9+9+12+18	-
	12+18	-	9+12+18	12+18+18	9+12+12+12	-
	12+21	-	9+12+21	12+18+21	9+12+12+18	-
	12+24	-	9+12+24	12+18+21	12+12+12+12	-



Model		Heat Pump	GWHD(18)ND3EO	GWHD(24)ND3EO	GWHD(30)ND3EO	GWHD(36)ND3EO	GWHD(42)ND3EO
Capacity	Cooling	BTU/h	18000	26000	29000	34000	39000
	Heating	BTU/h	19000	29000	31600	42500	45000
SEER		W/W	22.0	20.5	21	21	21
Power supply		Ph/V/Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz
Power input	Cooling	kW	1.65	2.74	2.42	2.8	3.74
	Heating	kW	1.61	2.32	2.47	3.35	3.65
Refrigerant charge volume		kg	1.6	2.2	2.8	3.65	3.65
Air flow volume		m³/h	3200	4000	3960	7700	7700
Sound pressure level		dB(A)	63	59	59	61	61
Dimension (W×D×H)	Outline	mm	955×396×700	980×427×790	980×440×790	1087×440×1103	1087×440×1103
	Package	mm	1029×458×750	1083×488×855	1083×488×855	1173×493×1223	1173×493×1223
Net weight/Gross weight		kg	52/56	69.5/74.5	66/70	90/98	90/98
Connecting pipe diameter	Gas	inch(mm)	φ9.52	φ9.52	φ9.52	φ9.52	φ9.52
	Liquid	inch(mm)	φ6	φ6	φ6	φ6	φ6
Max. equivalent connection pipe length		m	20	60	70	75	75
Maximum drive IDU NO.		unit	2	3	4	5	5
Loading quantity	40'GP/40'HQ	-	171/171	96/144	96/144	54/54	54/54

Wall-mounted Type Indoor Unit



Model			GWH09TB-D3DNA1D/I	GWH12TB-D3DNA1D/I	GWH18TC-D3DNA1D/I	GWH24TD-D3DNA1D/I
Capacity	Cooling	BTU/h	9000	12000	18000	24000
	Heating	BTU/h	9800	13000	19000	25000
Power supply		Ph/V/Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz
Air flow volume		m³/h	730/670/610/530/460/410	770/670/610/530/460/410	1000/870/790/710/630/560	1100/1000/900/800/700/600
		CFM	430/394/359/312/271/241	453/394/359/312/271/241	588/512/465/418/371/330	647/588/530/471/412/353
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	42/36/34/32/28/24/21	43/36/34/32/28/24/22	51/48/45/43/39/36/33	52/49/47/45/43/41/38
Connecting pipe	Gas	inch(mm)	φ12	φ12	φ16	φ16
	Liquid	inch(mm)	φ6	φ6	φ6	φ6
Dimension (W×H×D)	Outline	mm	866×209×292	866×209×292	1018×319×230	980×790×427
	Package	mm	888×297×377	945×297×377	1097×397×340	1083×488×855
Net weight/Gross weight		kg	11/13	11/13	14/19	70/75
Loading quantity	20'GP	set	276	276	183	135
	40'GP/40'HQ	set	566/640	566/640	381/442	288/330



Model			GWH09UB-D3DNA1A/I	GWH12UB-D3DNA1A/I	GWH18UC-D3DNA1A/I
Capacity	Cooling	BTU/h	8874	11946	18089
	Heating	BTU/h	9795	12969	19795
Power supply		Ph/V/Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz
Air flow volume		m³/h	510	520	820
		CFM	300	306	483
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	41/37/35/32/30/28/25	42/39/37/34/31/28/26	44/40/37/35/33/31/28
Connecting pipe	Gas	inch(mm)	φ9.52	φ12	φ12
	Liquid	inch(mm)	φ6	φ6	φ6
Dimension (W×H×D)	Outline	mm	896×159×320	896×159×320	998×178×340
	Package	mm	973×255×403	973×255×403	1083×283×428
Net weight/Gross weight		kg	11.5/14.5	11.5/14.5	15.0/19.0
Loading quantity	20'GP	set	282	282	216
	40'GP/40'HQ	set	597/662	597/662	443/498



Model			GWH09MB-D3DNA3F/I	GWH12MB-D3DNA3F/I	GWH18MC-D3DNA3F/I	GWH24MD-D3DNA3F/I
Capacity	Cooling	BTU/h	9000	12000	18000	21400
	Heating	BTU/h	9800	13000	19790	23000
Power supply		Ph/V/Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz
Air flow volume		m³/h	520/470/430/370	570/470/430/370	850/780/650/550	1000/800/700/600
		CFM	306/277/253/218	335/277/253/218	500/459/383/324	589/471/412/353
Sound pressure level(H/M/L/SL)		dB(A)	42/38/35/32	44/39/36/33	49/44/40/35	53/45/41/37
Connecting pipe	Gas	inch(mm)	φ9.52	φ9.52	φ12	φ16
	Liquid	inch(mm)	φ6	φ6	φ6	φ6
Dimension (W×H×D)	Outline	mm	845×180×275	845×180×275	940×200×298	1007×315×219
	Package	mm	918×258×370	918×258×370	1013×288×395	1076×398×328
Net weight/Gross weight		kg	10/12.5	10/12.5	13/16	13.5/17
Loading quantity	20'GP	set	316	316	254	210
	40'GP/40'HQ	set	684/798	684/798	524/617	434/496

Floor Ceiling Type Indoor Unit



Model			GTH(09)BA-D3DNA1A/I	GTH(12)BA-D3DNA1A/I	GTH(18)BA-K3DNA1A/I	GTH(24)BA-K3DNA1A/I
Capacity	Cooling	BTU/h	2.5	3.5	5	6.7
	Heating	BTU/h	2.8	3.85	5.5	8
Power supply		Ph/V/Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz
Airflow volume		m³/h	650	650	950	1250
		CFM	382.5	382.5	559	736
Sound pressure level(H/L)		dB(A)	40/36	40/36	45/40	48/44
Connecting pipe	Gas	inch(mm)	φ9.52	φ9.52	φ12	φ16
	Liquid	inch(mm)	φ6	φ6	φ6	φ9.52
Dimension (W×H×D)	Outline	mm	1220×700×225	1220×700×225	1220×700×225	1220×700×225
	Package	mm	1343×823×315	1343×823×315	1343×823×315	1343×823×315
Net weight/Gross weight		kg	40/50	40/50	45/54	45/54
Loading quantity	20'GP	-	66	66	66	66
	40'GP/40'HQ	-	132/132	132/132	132/132	132/132



Cassette Type Indoor Unit

Model			GKH(12)BA-K3DNA2A/I	GKH(18)BA-K3DNA2A/I	GKH(24)BA-K3DNA1A/I
Capacity	Cooling	BTU/h	11946	15359	22867
	Heating	BTU/h	13652	17065	27304
Power supply		Ph/V/Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz
Airflow volume		m³/h	600	600	1180
		CFM	353	353	694
Sound pressure level(H/M/L/SL)		dB(A)	46	46	39
Connecting pipe	Gas	inch(mm)	φ9.52	φ12	φ16
	Liquid	inch(mm)	φ6	φ6	φ9.52
Main body	Dimention (W×D×H)	Outline	mm	570×570×230	570×570×230
		Package	mm	851×731×325	851×731×325
Panel	Net weight/Gross weight	kg	18/23	18/23	28.0/35.0
		mm	650×650×50	650×650×50	950×950×60
Panel	Dimention (W×D×H)	Outline	mm	733×673×117	733×673×117
		Package	mm	733×673×117	1043×1028×130
Loading quantity	Net Weight/Gross weight	kg	2.5/3.65	2.5/3.65	6.5/10
		-	102	102	40
Loading quantity	20'GP	-	209/246	209/246	108/128
		40'GP/40'HQ	-	209/246	108/128



Duct Type Indoor Unit

Model			GFH(09)EA-D3DNA1A/I	GFH(12)EA-K3DNA1A/I	GFH(18)EA-K3DNA1A/I	GFH(21)EA-K3DNA1A/I	GFH(24)EA-K3DNA1A/I
Capacity	Cooling	BTU/h	8530	11946	15359	20478	24232
	Heating	BTU/h	9550	13140	18772	22526	27304
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz
Airflow volume		m³/h	450	500	700	1000	1000
		CFM	264.825	294	412	588.5	588.5
Sound pressure level(H/L)		dB(A)	37/31	39/32	41/33	42/34	42/34
Connecting pipe	Gas	inch(mm)	3/8(φ9.52)	φ9.52	φ12	φ16	φ16
	Liquid	inch(mm)	1/4 (φ6.35)	φ6	φ6	φ9.52	φ9.52
Dimension (W×H×D)	Outline	mm	700×615×200	700×615×200	900×615×200	1100×615×200	1100×615×200
	Package	mm	893×743×305	893×743×305	1123×743×305	1323×743×305	1323×743×305
Net weight/Gross weight		kg	22/27	23/29	27/36	31/41	31/41
Loading quantity	20'GP	-	108	108	90	72	72
	40'GP/40'HQ	-	234/234	234/234	180/180	162/162	162/162










Console Type

Model			GEH(09)AA-D3DNA1C/I	GEH(12)AA-D3DNA1C/I	GEH(18)AA-D3DNA1C/I
Capacity	Cooling	BTU/h	2.6	3.5	5.3
	Heating	BTU/h	2.8	3.8	5.8
Power supply		Ph/V/Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz	1Ph,208~230V,60Hz
Airflow volume		m³/h	500	600	650
		CFM	294	353	383
Sound pressure level(H/L)		dB(A)	40/38/36/33/30/27/25	42/40/38/37/35/32/27	48/46/44/41/37/35/32
Connecting pipe	Gas	inch(mm)	φ9.52	φ9.52	φ12
	Liquid	inch(mm)	φ6	φ6	φ6
Dimension (W×H×D)	Outline	mm	700×215×600	700×215×600	700×215×600
	Package	mm	788×283×697	788×283×697	788×283×697
Net weight/Gross weight		kg	15/18	15/18	15/18
Loading quantity	20'GP	-	181	181	181
	40'GP/40'HQ	-	381/454	381/454	381/454



Control System Lineup

Product series			Wall mounted type			Duct type	Cassette type	Floor ceiling type	Console type
			Hansol	U-Cool	Cozy				
Wireless remote controller	YAA1FB1F			●					●
	YB1FAF(XFAN)				●				
	YAG1FBF		●						
	YT1F(MOTO)					●	●	●	
Wired controller	XK41/XK47		●		●				
	XK19					●	●	●	
Centralized controller	CE50-24/E					●	●	●	

Note: ● means standard, ● means optional.

# Super Free-match

Capacity range from 14kw to 16kw can be widely used in residential house, hotel, business office and especially applicable in variable loading situation.



48000/16000 BTU/h

- 

High efficiency
- 

Intelligent Defrosting
- 

Comprehensive protection
- 

Compact design
- 


Easier maintainability
- 

Inner groove copper
- 


'Turbo' Button
- 

Self-Diagnosis
- 


Low voltage startup
- 

Centralized control
- 


Long-distance monitoring
- 

Wide operation range
- 

Auto Restart
- 



















Wide voltage range
- 

Timer
- 

Weekly timer
- 


Lock


- Power supply startup delay design, lower the unit starting current.
- Excellent part load performance and precise temperature control thanks to DC inverter compressor.
- The lowest noise thanks to advanced technology.
- The system could run stably under hard operation conditions.
- Connection pipe up to 145 meter length that convinient on installation.
- Stably heating under -15℃ environment temperature. (only for the unit CUHD\*C10).

Capacity Index(BTU/h)			9000	12000	18000	21000	24000
Wall-mounted Type	U-Cool						
	Hansol						
	Cozy						
Duct type							
Cassette type							
Floor ceiling type							
Console type							


Item	Nominal operating condition(temperature)				Operation range(temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB(°C)	WB(°C)	DB(°C)	WB(°C)	DB(°C)
Cooling	35	23.9	26.7	19.4	-15~48
Heating	8.3	6.1	21.1	15.6	-20~24


#### 142 combinations

	Two units	Three units		Four units		
	9+18	9+9+9	12+12+21	9+9+9+9	9+12+12+24	12+12+18+21
	9+21	9+9+12	12+12+24	9+9+9+12	9+12+18+18	12+12+18+24
	9+24	9+9+18	12+18+18	9+9+9+18	9+12+18+21	12+12+21+21
	12+12	9+9+21	12+18+21	9+9+9+21	9+12+18+24	12+12+24+24
	12+18	9+9+24	12+18+24	9+9+9+24	9+12+21+21	12+18+18+18
	12+21	9+12+12	12+21+21	9+9+12+12	9+12+21+24	12+18+18+21
	12+24	9+12+18	12+21+24	9+9+12+18	9+12+24+24	12+18+18+24
	18+18	9+12+21	12+24+24	9+9+12+21	9+18+18+18	12+18+21+21
	18+21	9+12+24	18+18+18	9+9+12+24	9+18+18+21	-
	18+24	9+18+18	18+18+21	9+9+18+18	9+18+18+24	-
	21+21	9+18+21	18+18+24	9+9+18+21	9+18+21+21	-
	21+24	9+18+24	18+21+21	9+9+18+24	9+18+21+24	-
	24+24	9+21+21	18+21+24	9+9+21+21	12+12+12+12	-
	-	9+21+24	21+21+21	9+9+21+24	12+12+12+18	-
	-	9+24+24	21+21+24	9+12+12+12	12+12+12+21	-
	-	12+12+12	21+24+24	9+12+12+18	12+12+12+24	-
	-	12+12+18	24+24+24	9+12+12+21	12+12+18+18	-

	Five units		Six units	Seven units	Eight units
	9+9+9+9+9	9+9+12+12+24	9+9+9+9+9+9	9+9+9+9+9+9+9	9+9+9+9+9+9+9+9
	9+9+9+9+12	9+9+12+18+18	9+9+9+9+9+12	9+9+9+9+9+9+12	-
	9+9+9+9+18	9+9+12+18+21	9+9+9+9+9+18	9+9+9+9+9+9+18	-
	9+9+9+9+21	9+9+12+18+24	9+9+9+9+9+21	9+9+9+9+9+12+12	-
	9+9+9+9+24	9+9+12+21+21	9+9+9+9+9+24	9+9+9+9+12+12+12	-
	9+9+9+12+12	9+12+12+12+12	9+9+9+9+12+12	-	-
	9+9+9+12+18	9+12+12+12+18	9+9+9+9+12+18	-	-
	9+9+9+12+21	9+12+12+12+21	9+9+9+9+12+21	-	-
	9+9+9+12+24	9+12+12+12+24	9+9+9+9+12+24	-	-
	9+9+9+18+18	9+12+12+18+18	9+9+9+12+12+12	-	-
	9+9+9+18+21	9+12+12+18+21	9+9+9+12+12+18	-	-
	9+9+9+18+24	12+12+12+12+12	9+9+9+12+12+21	-	-
	9+9+9+21+21	12+12+12+12+18	9+9+12+12+12+12	-	-
	9+9+9+21+24	12+12+12+12+21	9+9+12+12+12+18	-	-
	9+9+12+12+12	12+12+12+12+24	-	-	-
	9+9+12+12+18	12+12+12+18+18	-	-	-
	9+9+12+12+21	-	-	-	-

#### 215 combinations

 GWHD(56S)ND3CO (2 to 9)	Two units	Three units			Four units			
	9+18	9+9+12	12+12+18	21+21+21	9+9+9+9	9+12+12+12	9+18+24+24	12+18+18+18
	9+21	9+9+18	12+12+21	21+21+24	9+9+9+12	9+12+12+18	9+21+21+21	12+18+18+21
	9+24	9+9+21	12+12+24	21+24+24	9+9+9+18	9+12+12+21	9+21+21+24	12+18+18+24
	12+18	9+9+24	12+18+18	24+24+24	9+9+9+21	9+12+12+24	9+21+24+24	12+18+21+21
	12+21	9+12+12	12+18+21	-	9+9+9+24	9+12+18+18	9+24+24+24	12+18+21+24
	12+24	9+12+18	12+18+24	-	9+9+12+12	9+12+18+21	12+12+12+12	12+18+24+24
	18+18	9+12+21	12+21+21	-	9+9+12+18	9+12+18+24	12+12+12+18	12+21+21+21
	18+21	9+12+24	12+21+24	-	9+9+12+21	9+12+21+21	12+12+12+21	12+21+21+24
	18+24	9+18+18	12+24+24	-	9+9+12+24	9+12+21+24	12+12+12+24	12+21+24+24
	21+21	9+18+21	18+18+18	-	9+9+18+18	9+12+24+24	12+12+18+18	18+18+18+18
	21+24	9+18+24	18+18+21	-	9+9+18+21	9+18+18+18	12+12+18+21	18+18+18+21
	24+24	9+21+21	18+18+24	-	9+9+18+24	9+18+18+21	12+12+18+24	18+18+18+24
	-	9+21+24	18+21+21	-	9+9+21+21	9+18+18+24	12+12+21+21	18+18+21+21
	-	9+24+24	18+21+24	-	9+9+21+24	9+18+21+21	12+12+21+24	18+18+21+24
-	12+12+12	18+24+24	-	9+9+24+24	9+18+21+24	12+12+24+24	18+21+21+21	

	Five units		Six units		Seven units	Eight units	Nine units
 GWHD(56S)ND3CO (2 to 9)	9+9+9+9+9	9+9+12+18+18	9+12+12+21+21	9+9+9+9+9+9	9+9+9+12+18+18	9+9+9+9+9+9+9	9+9+9+9+9+9+9+9
	9+9+9+9+12	9+9+12+18+21	9+12+12+21+24	9+9+9+9+9+12	9+9+9+12+18+21	9+9+9+9+9+9+12	-
	9+9+9+9+18	9+9+12+18+24	9+12+12+24+24	9+9+9+9+9+18	9+9+9+12+18+24	9+9+9+9+9+9+18	-
	9+9+9+9+21	9+9+12+21+21	12+12+12+12+12	9+9+9+9+9+21	9+9+9+12+21+21	9+9+9+9+9+9+21	-
	9+9+9+9+24	9+9+12+21+24	12+12+12+12+18	9+9+9+9+9+24	9+9+12+12+12+12	9+9+9+9+9+9+24	-
	9+9+9+12+12	9+9+12+24+24	12+12+12+12+21	9+9+9+9+12+12	9+9+12+12+12+18	9+9+9+9+9+12+12	-
	9+9+9+12+18	9+9+18+18+18	12+12+12+12+24	9+9+9+9+12+18	9+9+12+12+12+21	9+9+9+9+9+12+18	-
	9+9+9+12+21	9+9+18+18+21	12+12+12+18+18	9+9+9+9+12+21	9+9+12+12+12+24	9+9+9+9+9+12+21	-
	9+9+9+12+24	9+9+18+18+24	12+12+12+18+21	9+9+9+9+12+24	9+9+12+12+18+18	9+9+9+9+9+12+24	-
	9+9+9+18+18	9+9+18+21+21	12+12+12+18+24	9+9+9+9+18+18	9+9+12+12+18+21	9+9+9+9+9+18+18	-
	9+9+9+18+21	9+9+18+21+24	12+12+12+21+21	9+9+9+9+18+21	9+12+12+12+12+12	9+9+9+9+9+12+12	-
	9+9+9+18+24	9+12+12+12+12	12+12+12+21+24	9+9+9+9+18+24	9+12+12+12+12+18	9+9+9+9+9+12+18	-
	9+9+9+21+21	9+12+12+12+18	12+12+18+18+18	9+9+9+9+21+21	9+12+12+12+12+21	9+9+9+9+9+12+21	-
	9+9+9+21+24	9+12+12+12+21	12+12+18+18+21	9+9+9+9+21+24	9+12+12+12+12+24	9+9+9+12+12+12+12	-
	9+9+12+12+12	9+12+12+12+24	-	9+9+9+12+12+12	9+12+12+12+18+18	9+9+9+12+12+12+18	-
	9+9+12+12+18	9+12+12+18+18	-	9+9+9+12+12+18	12+12+12+12+12+12	9+9+12+12+12+12+12	-
	9+9+12+12+21	9+12+12+18+21	-	9+9+9+12+12+21	12+12+12+12+12+18	9+12+12+12+12+12+12	-
	9+9+12+12+24	9+12+12+18+24	-	9+9+9+12+12+24	12+12+12+12+12+21	-	-



Outdoor Unit

Model	Heat pump		GWHD(48S)ND3CO		GWHD(56S)ND3CO	
Capacity	Cooling	Btu/h	47800		52900	
	Heating	Btu/h	54600		61400	
SEER		W/W	16		16	
Power Supply		Ph,V,Hz	1/208-230/60			
Power Input	Cooling	W	5.00		5.60	
	Heating	W	4.40		5.20	
Refrigerant charge volume		kg	4.95		4.95	
Air Pressure Level		m³/h	6400		7000	
Sound Pressure Level		dB(A)	57		57	
Dimension (W×D×H)	Outline	mm	900×340×1350		900×340×1350	
	Package	mm	983×443×1398		983×443×1398	
Net Weight/Gross Weight		kg	116/125		116/125	
Connecting pipe diameter	Gas	inch(mm)	φ5/8(15.9)		φ5/8(15.9)	
	Liquid	inch(mm)	φ3/8(9.52)		φ3/8(9.52)	
Max. equivalent connection pipe length		m	135		145	
Maximum drive IDU NO.		unit	8		9	
Loading Quantity	40'GP/40'HQ	—	50/50		50/50	

BU Module

Model			FXA2A-K	FXA2B-K	FXA3A-K	FXA3B-K
Fuse current		A	3.15	3.15	3.15	3.15
Power supply		Ph/V/Hz	1/208~230/60	1/208~230/60	1/208~230/60	1/208~230/60
Sound pressure level		dB(A)	28	28	28	28
Sound Power Level		dB(A)	38	38	38	38
Dimension (W×D×H)	Outline	mm	532×313×182	532×313×182	532×313×182	532×313×182
	Package	mm	683×392×270	683×392×270	683×392×270	683×392×270
Connection Method		—	Flare	Braze	Flare	Braze
Net Weight/Gross Weight		kg	5.5/7.5	5.5/7.5	6/8	6/8
Connecting pipe diameter ( to IDU )	Gas	inch(mm)	φ3/8(9.52)	φ5/8(15.9)	φ3/8(9.52)	φ5/8(15.9)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)
Connecting pipe diameter ( to ODU )	Gas	inch(mm)	φ5/8(15.9)	φ3/4(19.05)	φ5/8(15.9)	φ3/4(19.05)
	Liquid	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)
Maximum drive IDU NO.		unit	2	2	3	3
Loading quantity	40'GP	—	386	386	386	386
	40'HQ	—	386	386	386	386
Max. Equivalent Connection Pipe Length <sub>(BU unit to Last Indoor)</sub>		m	15	15	15	15

Wall Mounted Indoor Unit

Hansol

Model			GWH09TB-D3DNA1A/I	GWH12TB-D3DNA1A/I	GWH18TC-D3DNA1A/I	GWH24TD-D3DNA1A/I
Capacity	Cooling	BTU/h	8874	11946	18089	24232
	Heating	BTU/h	9795	12969	19113	24915
Power supply		Ph/V/Hz	1/208~230/60	1/208~230/60	1/208~230/60	1/208~230/60
Air flow volume		m3/h	730	770	1000	1250
		CFM	430	453	588	736
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	42/36/34/32/28/24/21	43/36/34/32/28/24/22	51/48/45/43/39/36/33	53/50/46/44/42/40/37
Connecting pipe	Gas	inch(mm)	φ1/2 (12.7)	φ1/2 (12.7)	φ5/8 (15.9)	φ5/8 (15.9)
	Liquid	inch(mm)	φ1/4 (6.35)	φ1/4 (6.35)	φ1/4 (6.35)	φ1/4 (6.35)
Dimension(W×D×H)	Outline	mm	866×292×209	866×292×209	1018×319×230	1178×326×264
	Package	mm	945×297×377	945×297×377	1097×340×397	1256×364×414
Net Weight/Gross Weight		kg	11.0/14.0	11.0/14.0	14.0/19.0	18.0/22.0
Loading Quantity	20'GP	-	276	276	183	135
	40' GP/40' HQ	-	566/640	566/640	381/442	288/330

U-cool

Model			GWH09UB-D3DNA1A/I	GWH12UB-D3DNA1A/I	GWH18UC-D3DNA1A/I
Capacity	Cooling	BTU/h	8874	11946	18089
	Heating	BTU/h	9795	12969	19795
Power supply		Ph/V/Hz	1/208~230/60	1/208~230/60	1/208~230/60
Air flow volume		m3/h	510	520	820
		CFM	300	306	483
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	41/37/35/32/30/28/25	42/39/37/34/31/28/26	44/40/37/35/33/31/28
Connecting pipe	Gas	inch(mm)	φ3/8 (9.52)	φ1/2 (12.7)	φ1/2 (12.7)
	Liquid	inch(mm)	φ1/4 (6.35)	φ1/4 (6.35)	φ1/4 (6.35)
Dimension(W×D×H)	Outline	mm	896×320×159	896×320×159	998×340×178
	Package	mm	973×255×403	973×255×403	1083×283×428
Net Weight/Gross Weight		kg	11.5/14.5	11.5/14.5	15.0/19.0
Loading Quantity	20'GP	-	282	282	216
	40' GP/40' HQ	-	597/662	597/662	443/498

Cozy

Model			GWH09MB-D3DNA3D/I	GWH12MB-D3DNA3D/I	GWH18MC-D3DNA3D/I	GWH24MD-D3DNA3D/I
Capacity	Cooling	BTU/h	8874	11946	18089	21502
	Heating	BTU/h	9795	12969	19795	23038
Power supply		Ph/V/Hz	1/208~230/60	1/208~230/60	1/208~230/60	1/208~230/60
Air flow volume		m3/h	520	570	850	1000
		CFM	306	335	500	588
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	41/37/35/26/-	42/38/36/28/-	46/44/40/35/-	53/45/41/37/-
Connecting pipe	Gas	inch(mm)	φ3/8 (9.52)	φ3/8 (9.52)	φ1/2 (12.7)	φ5/8 (15.9)
	Liquid	inch(mm)	φ1/4 (6.35)	φ1/4 (6.35)	φ1/4 (6.35)	φ1/4 (6.35)
Dimension(W×D×H)	Outline	mm	845×275×180	845×275×180	940×298×200	1007×315×219
	Package	mm	918×370×258	918×370×258	1013×300×383	1076×328×398
Net Weight/Gross Weight		kg	10/13	10/13	13/17	16/21
Loading Quantity	20'GP	-	318	318	248	210
	40' GP/40' HQ	-	684/798	684/798	539/607	434/496

### Duct Type Indoor Unit

Model			GFH(09)EA-D3DNA1A/I	GFH(12)EA-D3DNA1A/I	GFH(18)EA-D3DNA1A/I	GFH(21)EA-D3DNA1A/I	GFH(24)EA-D3DNA1A/I
Capacity	Cooling	BTU/h	8533	11946	15359	20478	24232
	Heating	BTU/h	9556	13140	18772	22526	27304
Power supply		PhV/Hz	1/208~230/60	1/208~230/60	1/208~230/60	1/208~230/60	1/208~230/60
Air flow volume		m3/h	450	500	700	1000	1000
		CFM	265	294	412	588.5	588.5
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	37/31	39/32	41/33	42/34	42/34
Connecting pipe	Gas	inch(mm)	φ3/8 (9.52)	φ3/8 (9.52)	φ1/2 (12.7)	φ5/8 (15.9)	φ5/8 (15.9)
	Liquid	inch(mm)	φ1/4 (6.35)	φ1/4 (6.35)	φ1/4 (6.35)	φ3/8 (9.52)	φ3/8 (9.52)
Dimension(W×D×H)	Outline	mm	700×615×200	700×615×200	900×615×200	1100×615×200	1100×615×200
	Package	mm	893×743×305	893×743×305	1123×743×305	1323×743×305	1323×743×305
Net Weight/Gross Weight		kg	22/27	23/29	27/36	31/41	31/41
Loading Quantity	20'GP	-	108	108	90	72	72
	40' GP/40' HQ	-	234/234	234/234	180/180	162/162	162/162

### Cassette Type Indoor Unit

Model				GKH(12)BA-D3DNA2A/I	GKH(18)BA-D3DNA2A/I	GKH(24)BA-D3DNA1A/I
Capacity	Cooling	BTU/h		11946	15359	22867
	Heating	BTU/h		13652	17065	27304
Power supply		PhV/Hz		1/208~230/60	1/208~230/60	1/208~230/60
Air flow volume		m3/h		600	600	1180
		CFM		353	353	694
Sound pressure level		dB(A)		46	46	39
Connecting pipe	Gas	inch(mm)		φ3/8 (9.52)	φ1/2 (12.7)	φ5/8 (15.9)
	Liquid	inch(mm)		φ1/4 (6.35)	φ1/4 (6.35)	φ3/8 (9.52)
Main body	Dimention (W×D×H)	Outline	mm	570×570×230	570×570×230	840×840×240
		Package	mm	851×731×325	851×731×325	963×963×325
	Net Weight/Gross Weight		kg	18/23	18/23	28.0/35.0
Panel	Dimention (W×D×H)	Outline	mm	650×650×50	650×650×50	950×950×60
		Package	mm	733×673×117	733×673×117	1043×1028×130
	Net Weight/Gross Weight		kg	2.5/3.65	2.5/3.65	6.5/10
Loading Quantity	20'GP	-	-	102	102	40
	40' GP/40' HQ	-	-	209/246	209/246	108/128







### Floor Ceiling Type Indoor Unit

Model			GTH(09)BA-D3DNA1A/I	GTH(12)BA-D3DNA1A/I	GTH(18)BA-D3DNA1A/I	GTH(24)BA-D3DNA1A/I
Capacity	Cooling	BTU/h	2.5	3.5	5	6.7
	Heating	BTU/h	2.8	3.85	5.5	8
Power supply		PhV/Hz	1/208~230/60	1/208~230/60	1/208~230/60	1/208~230/60
Air flow volume		m3/h	650	650	950	1250
		CFM	382.5	382.5	559	736
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	40/36	40/36	45/40	48/44
Connecting pipe	Gas	inch(mm)	φ3/8 (9.52)	φ3/8 (9.52)	φ1/2 (12.7)	φ5/8 (15.9)
	Liquid	inch(mm)	φ1/4 (6.35)	φ1/4 (6.35)	φ1/4 (6.35)	φ3/8 (9.52)
Dimension(W×D×H)	Outline	mm	1220×700×225	1220×700×225	1220×700×225	1220×700×225
	Package	mm	1343×823×315	1343×823×315	1343×823×315	1343×823×315
Net Weight/Gross Weight		kg	40/50	40/50	40/50	45/54
Loading Quantity	20'GP	-	66	66	66	66
	40' GP/40' HQ	-	132/132	132/132	132/132	132/132

### Console

Model			GEH(09)AA-D3DNA1C/I	GEH(12)AA-D3DNA1C/I	GEH(18)AA-D3DNA1C/I
Capacity	Cooling	BTU/h	2.6	3.5	5.3
	Heating	BTU/h	2.8	3.8	5.8
Power supply		PhV/Hz	1/208~230/60	1/208~230/60	1/208~230/60
Air flow volume		m3/h	500	600	650
		CFM	294	353	383
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	40/38/36/33/30/27/25	42/40/38/37/35/32/27	48/46/44/41/37/35/32
Connecting pipe	Gas	inch(mm)	φ3/8 (9.52)	φ3/8 (9.52)	φ1/2 (12.7)
	Liquid	inch(mm)	φ1/4 (6.35)	φ1/4 (6.35)	φ1/4 (6.35)
Dimension(W×D×H)	Outline	mm	700×600×215	700×600×215	700×600×215
	Package	mm	791×286×710	791×286×710	791×286×710
Net Weight/Gross Weight		kg	15/18	15/18	15/18
Loading Quantity	20'GP	-	168	168	168
	40' GP/40' HQ	-	348/440	348/440	348/440

### Control System Lineup

Product series			Wall mounted type			Duct type	Cassette type	Floor ceiling type	Console type
			Hansol	U-Cool	Cozy				
Wireless remote controller	YAA1FB1F			●					●
	YB1FAF(XFAN)				●				
	YAG1FBF		●						
	YT1F(MOTO)					●	●	●	
Wired remote controller	XK19					●	●	●	
Centralized controller	CE50-24/E					○	○	○	

Note;  
 ● means standard, ○ means optional.  
 \* If Long-distance monitoring software Gree Eude mon 2009 is selected,the communication module ME30-00/E2 shall be selected also.  
 The quantity of the module shall be confirm according to the quantinty of outdoor units.



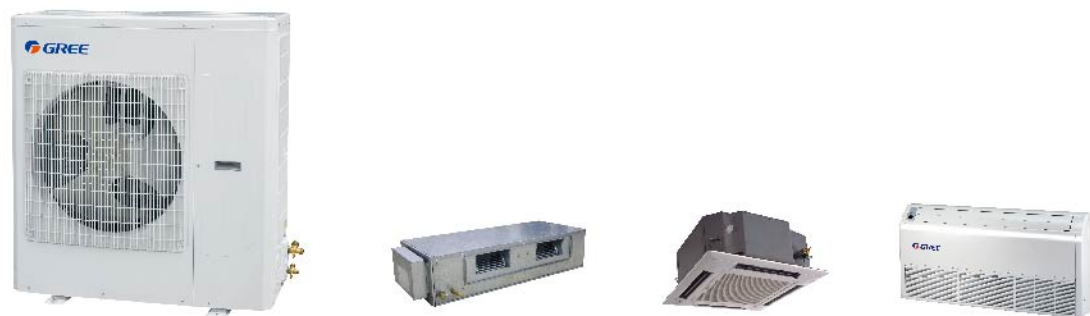
# LIGHT COMMERCIAL

R410A

## U-Match

### Fixed Frequency Series

It is a kind of split system that the outdoor unit can be freely connected to different types of indoor units according to various indoor decoration requirements.



Quality motor



Comprehensive protection



Compact design



Easier maintainability

- Double ambient temperature sensor design makes a precision temperature monitoring.
- Low start-up current thanks to power delay control design.

### Indoor Unit

#### Duct type

- Flexible air in/outlet and condensing water outlet direction according to different installation requirements.
- Flexible design for installation, the air return can be either from bottom or rear, as well as the alternative drain water connections.
- Optimized air duct design improves the performance and lower the noise.

#### Cassette type

- Drain pump fitted as standard with increased lift of 1100mm.
- Special low noise fan design.
- Different swing angle design for cooling and heating mode for better comfort.

#### Floor ceiling type

- 3-D air flue design.
- Easy replacement of motor and fan blade thanks to clamp block propeller design.
- Different swing angle design for cooling and heating mode for better comfort.

Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		
	DB (°F)	WB (°F)	DB (°F)	WB (°F)	
Cooling	95	75	80	67	70~125
Heating	47	43	70	60	19~75

## Units Line Up

Capacity Index× (Btu/h)		18K	24K	30K	36K	36K
Outdoor Unit						
		GUCN18TD1AO GUHN18TD1AO	GUCN24TD1AO GUHN24TD1AO	GUCN30TD1AO GUHN30TD1AO	GUCN36TD1AO GUHN36TD1AO	GUCN36TF1AO GUHN36TH1AO
Indoor Unit	Duct					
		GFH18D1BI	GFH24D1BI	GFH30D1BI	GFH36D1BI	
	Cassette					
		GKH18D1BI	GKH24D1BI	GKH30D1BI	GKH36D1BI	GKH36D1BI
	Floor Ceiling					
		GTH18D1BI	GTH24D1BI	GTH30D1BI		GTH36D1BI

Capacity Index× (Btu/h)		42K	48K	60K
Outdoor Unit				
		GUCN42TD1AO GUCN42TF1AO GUCN42TH1AO GUCN48TD1AO GUCN48TF1AO GUCN48TH1AO GUHN42TD1AO GUHN42TF1AO GUHN42TH1AO GUHN48TD1AO GUHN48TF1AO GUHN48TH1AO		GUCN60TF1A20
Indoor Unit	Duct			
		GFH42D1BI	GFH48D1BI	
	Cassette			
		GKH42D1BI	GKH48D1BI	
	Floor Ceiling			
		GTH42D1BI	GTH48D1BI	GTH60D1B2I

\* GUHN60TF1A10 and GUHN60TH1A10 can only match with duct type indoor unit.

Model	Outdoor unit			GUCN36TF1AO			GUCN36TH1AO		
	Indoor unit			Cassette	Floor ceiling	Cassette	Floor ceiling		
				GKH36D1B1I	GTH36D1B1I	GKH36D1B1I	GTH36D1B1I		
Capacity	Cooling	kW	10.5	10.5	10.5	10.5			
		Btu/h	36000	36000	36000	36000			
EER		W/W	2.69	2.62	2.69	2.62			
Power supply		Ph/V/Hz	3/220/60	3/220/60	3/380/60	3/380/60			
Power input	Cooling	kW	3.90	4.00	3.90	4.00			
Current	Cooling	A	13.0	13.5	6.5	6.6			
Refrigerant charge volume		kg	3.6	3.6	3.6	3.6			
Indoor unit	Air flow volume		CFM	972	1180	972	1180		
			m³/h	1650	2000	1650	2000		
	ESP	Rated	Pa	—	—	—	—		
		Range	Pa	—	—	—	—		
	Sound pressure level (H/M/L)		dB(A)	52/50/47	55/52/47	52/50/47	55/52/47		
	Dimension (W×D×H)	Outline	mm	840×840×320	1420×700×245	840×840×320	1420×700×245		
		Package	mm	963×963×409	1548×828×345	963×963×409	1548×828×345		
	Net weight/Gross weight		kg	38/46	54/62	38/46	54/62		
Panel	Dimension (W×D×H)	Outline	mm	950×950×60	—	950×950×60	—		
		Package	mm	1043×1028×130	—	1043×1028×130	—		
	Net weight/Gross weight		kg	6.5/10	—	6.5/10	—		
Outdoor unit	Sound pressure level		dB(A)	60			60		
	Dimension (W×D×H)	Outline	mm	1018×412×840			1018×412×840		
		Package	mm	1103×453×1000			1103×453×1000		
	Net weight/Gross weight		kg	87/95			87/95		
Connection pipe	Outer diameter	Liquid	inch	φ1/2			φ1/2		
		Gas	inch	φ3/4			φ3/4		
	Max. distance	Height	m	30			30		
		Length	m	50			50		
Loading quantity		40'GP/40'HQ	set	54/61	55/60	54/61	55/60		

Model	Outdoor unit			GUCN42TD1AO			GUCN42TF1AO		
	Indoor unit			Duct	Cassette	Floor ceiling	Duct	Cassette	Floor ceiling
				GFH42D1BI	GKH42D1BI	GTH42D1BI	GFH42D1BI	GKH42D1BI	GTH42D1BI
Capacity	Cooling	kW	12.3	12.0	12.3	12.3	12.0	12.3	
		Btu/h	42000	41000	42000	42000	41000	42000	
EER		W/W	2.43	2.61	2.65	2.43	2.61	2.78	
Power supply		Ph/V/Hz	1/220/60	1/220/60	1/220/60	3/220/60	3/220/60	3/220/60	
Power input	Cooling	kW	5.07	4.60	4.64	5.07	4.60	4.43	
Current	Cooling	A	25.5	23.0	23.5	15.5	14.5	14.5	
Refrigerant charge volume		kg	4.5	4.5	4.5	4.2	4.2	4.2	
Indoor unit	Air flow volume		CFM	1410	972	1090	1410	972	1090
			m³/h	2400	1650	1850	2400	1650	1850
	ESP	Rated	Pa	37	—	—	37	—	—
		Range	Pa	0~37	—	—	0~37	—	—
	Sound pressure level (H/M/L)		dB(A)	55/51/48	52/50/47	55/52/47	55/51/48	52/50/47	55/52/47
	Dimension (W×D×H)	Outline	mm	1226×775×290	840×840×320	1420×700×245	1226×775×290	840×840×320	1420×700×245
		Package	mm	1338×837×305	963×963×409	1548×828×345	1338×837×305	963×963×409	1548×828×345
	Net weight/Gross weight		kg	57/64	38/46	57/65	57/64	38/46	57/65
Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—	950×950×60	—
		Package	mm	—	1043×1028×130	—	—	1043×1028×130	—
	Net weight/Gross weight		kg	—	6.5/10	—	—	6.5/10	—
Outdoor unit	Sound pressure level		dB(A)	61			61		
	Dimension (W×D×H)	Outline	mm	1107×440×1100			1107×440×1100		
		Package	mm	1158×483×1235			1158×483×1235		
	Net weight/Gross weight		kg	109/122			109/122		
Connection pipe	Outer diameter	Liquid	inch	1/2			1/2		
		Gas	inch	3/4			3/4		
	Max. distance	Height	m	30			30		
		Length	m	50			50		
Loading quantity		40'GP/40'HQ	set	46/62	44/52	43/57	46/62	44/52	43/57

Model	Outdoor unit			GUCN42TH1AO			GUCN48TD1AO		
	Indoor unit		Duct	Cassette	Floor ceiling	Duct	Cassette	Floor ceiling	
			GFH42D1BI	GKH42D1BI	GTH42D1BI	GFH48D1BI	GKH48D1BI	GTH48D1BI	
Capacity	Cooling	kW	12.3	12.0	12.3	13.2	13.2	14.0	
		Btu/h	42000	41000	42000	45000	45000	48000	
EER		W/W	2.43	2.61	2.78	2.18	2.43	2.60	
Power supply		Ph/V/Hz	3/380/60	3/380/60	3/380/60	1/220/60	1/220/60	1/220/60	
Power input	Cooling	kW	5.07	4.60	4.43	6.07	5.43	5.38	
Current	Cooling	A	9.0	8.0	8.0	29.0	26.5	27.5	
Refrigerant charge volume		kg	4.5	4.5	4.5	4.3	4.3	4.3	
Indoor unit	Air flow volume		CFM	1410	972	1090	1410	970	1470
			m³/h	2400	1650	1850	2400	1650	2500
	ESP	Rated	Pa	37	—	—	50	—	—
		Range	Pa	0~37	—	—	0~50	—	—
	Sound pressure level (H/M/L)		dB(A)	55/51/48	52/50/47	55/52/47	55/51/48	52/50/47	58/56/53
	Dimension (W×D×H)	Outline	mm	1226×775×290	840×840×320	1420×700×245	1226×775×290	840×840×320	1700×700×245
		Package	mm	1338×837×305	963×963×409	1548×828×345	1338×837×305	963×963×409	1828×828×345
	Net weight/Gross weight		kg	57/64	38/46	57/65	57/64	38/46	65/73
Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—	950×950×60	—
		Package	mm	—	1043×1028×130	—	—	1043×1028×130	—
	Net weight/Gross weight		kg	—	6.5/10	—	—	6/10	—
Outdoor unit	Sound pressure level		dB(A)	61			61		
	Dimension (W×D×H)	Outline	mm	1107×440×1100			1107×440×1100		
		Package	mm	1158×483×1235			1158×483×1235		
	Net weight/Gross weight		kg	109/122			109/122		
Connection pipe	Outer diameter	Liquid	inch	φ1/2			φ1/2		
		Gas	inch	φ3/4			φ3/4		
	Max. distance	Height	m	30			30		
		Length	m	50			50		
Loading quantity		40'GP/40'HQ	set	46/62	44/52	43/57	44/59	40/50	44/58

Model	Outdoor unit			GUCN48TF1AO			GUCN48TH1AO			GUCN60TF1A2O
	Indoor unit			Duct	Cassette	Floor ceiling	Duct	Cassette	Floor ceiling	Floor Ceiling
				GFH48D1BI	GKH48D1BI	GTH48D1BI	GFH48D1BI	GKH48D1BI	GTH48D1BI	GTH60D1B2I
Capacity	Cooling	kW	13.2	13.2	14.0	13.2	13.2	14.0	17000	
		Btu/h	45000	45000	48000	45000	45000	48000	58000	
EER		W/W	2.28	2.43	2.62	2.28	2.43	2.62	2.93	
Power supply		Ph/V/Hz	3/220/60	3/220/60	3/220/60	3/380/60	3/380/60	3/380/60	3/220/60	
Power input	Cooling	kW	5.80	5.43	5.35	5.80	5.43	5.35	6.00	
Current	Cooling	A	18.5	17.0	17.8	10.0	9.0	9.8	17.0	
Refrigerant charge volume		kg	4.3	4.3	4.3	4.2	4.2	4.2	6.0	
Indoor unit	Air flow volume		CFM	1410	970	1470	1410	970	1470	1470
			m³/h	2400	1650	2500	2400	1650	2500	2500
	ESP	Rated	Pa	50	—	—	50	—	—	—
		Range	Pa	0-50	—	—	0-50	—	—	—
	Sound pressure level (H/M/L)		dB(A)	55/51/48	52/50/47	58/56/53	55/51/48	52/50/47	58/56/53	58/56/53
	Dimension (W×D×H)	Outline	mm	1226×775×290	840×840×320	1700×700×245	1226×775×290	840×840×320	1700×700×245	1700×700×245
		Package	mm	1338×837×305	963×963×409	1828×828×345	1338×837×305	963×963×409	1828×828×345	1828×828×345
	Net weight/Gross weight		kg	57/64	38/46	65/73	57/64	38/46	65/73	63/74
Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—	950×950×60	—	—
		Package	mm	—	1043×1028×130	—	—	1043×1028×130	—	—
	Net weight/Gross weight		kg	—	6/10	—	—	6/10	—	—
Outdoor unit	Sound pressure level		dB(A)	61			61			63
	Dimension (W×D×H)	Outline	mm	1107×440×1100			1107×440×1100			1000×427×1365
		Package	mm	1158×483×1235			1158×483×1235			1153×493×1510
	Net weight/Gross weight		kg	109/122			109/122			128/140
Connection pipe	Outer diameter	Liquid	inch	φ1/2			φ1/2			φ1/2
		Gas	inch	φ3/4			φ3/4			φ3/4
	Max. distance	Height	m	30			30			30
		Length	m	50			50			50
Loading quantity	40'GP/40'HQ	set	44/59	40/50	44/58	44/59	40/50	44/58	36/43	



Model	Outdoor unit			GUHN42TH1AO			GUHN48TD1AO		
				Duct	Cassette	Floor ceiling	Duct	Cassette	Floor ceiling
				GFH42D1BI	GKH42D1BI	GTH42D1BI	GFH48D1BI	GKH48D1BI	GTH48D1BI
Capacity	Cooling	kW	12.3	12.0	12.3	13.2	13.2	14.0	
		Btu/h	42000	41000	42000	45000	45000	48000	
	Heating	kW	14.0	14.0	14.0	16.0	15.2	16.0	
		Btu/h	48000	48000	48000	54600	52000	54600	
EER/COP			W/W	2.43/2.66	2.61/2.85	2.62/2.86	2.17/2.58	2.40/2.60	2.50/2.80
Power supply			Ph/V/Hz	3/380/60	3/380/60	3/380/60	1/220/60	1/220/60	1/220/60
Power input	Cooling	kW	5.07	4.60	4.70	6.07	5.50	5.60	
	Heating	kW	5.27	4.91	4.90	6.20	5.85	5.70	
Current input	Cooling	A	9.0	8.0	8.0	29.0	26.5	27.5	
	Heating	A	9.2	8.0	8.0	28.5	27.0	28.5	
Refrigerant charge volume			kg	4.6	4.6	4.6	4.3	4.3	
Indoor unit	Air flow volume		CFM	1410	972	1090	1410	970	1470
			m³/h	2400	1650	1850	2400	1650	2500
	ESP	Rated	Pa	37	—	—	50	—	—
		Range	Pa	0~37	—	—	0~50	—	—
	Sound pressure level (H/M/L)		dB(A)	55/51/48	52/50/47	55/52/47	55/51/48	52/50/47	58/56/53
	Dimension (W×D×H)	Outline	mm	1226×775×290	840×840×320	1420×700×245	1226×775×290	840×840×320	1700×700×245
		Package	mm	1338×837×305	963×963×409	1548×828×345	1338×837×305	963×963×409	1828×828×345
	Net weight/Gross weight		kg	57/64	38/46	57/65	57/64	38/46	65/73
Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—	950×950×60	—
		Package	mm	—	1043×1028×130	—	—	1043×1028×130	—
	Net weight/Gross weight		kg	—	6.5/10	—	—	6/10	—
Outdoor unit	Sound pressure level		dB(A)	61			61		
	Dimension (W×D×H)	Outline	mm	1107×440×1100			1107×440×1100		
		Package	mm	1158×483×1235			1158×483×1235		
	Net weight/Gross weight		kg	109/122			109/122		
Connection pipe	Outer diameter	Liquid	inch	φ1/2			φ1/2		
		Gas	inch	φ3/4			φ3/4		
	Max. distance	Height	m	30			30		
		Length	m	50			50		
Loading quantity		40°GP/40°HQ	set	46/62	44/52	43/57	44/59	40/50	44/58

Model	Outdoor unit			GUHN48TF1AO			GUHN48TH1AO		
	Indoor unit			Duct	Cassette	Floor ceiling	Duct	Cassette	Floor ceiling
				GFH48D1BI	GKH48D1BI	GTH48D1BI	GFH48D1BI	GKH48D1BI	GTH48D1BI
Capacity	Cooling	kW	13.2	13.2	14.0	13.2	13.2	14.0	
		Btu/h	45000	45000	48000	45000	45000	48000	
	Heating	kW	16.0	15.2	16.0	16.0	15.2	16.0	
		Btu/h	54600	54200	54600	54600	52000	54600	
EER/COP			W/W	2.28/2.71	2.40/2.60	2.60/2.80	2.28/2.71	2.40/2.60	2.60/2.80
Power supply			Ph/V/Hz	3/220/60	3/220/60	3/220/60	3/380/60	3/380/60	3/380/60
Power input	Cooling	kW	5.80	5.50	5.38	5.80	5.50	5.38	
	Heating	kW	5.90	5.85	5.70	5.90	5.85	5.70	
Current input	Cooling	A	18.5	17.0	17.8	10.0	9.5	9.8	
	Heating	A	19.0	18.5	18.0	10.5	10.5	10.0	
Refrigerant charge volume			kg	4.3	4.3	4.2	4.2	4.2	
Indoor unit	Air flow volume		CFM	1410	970	1470	1410	970	1470
			m³/h	2400	1650	2500	2400	1650	2500
	ESP	Rated	Pa	50	—	—	50	—	—
		Range	Pa	0~50	—	—	0~50	—	—
	Sound pressure level (H/M/L)		dB(A)	55/51/48	52/50/47	58/56/53	55/51/48	52/50/47	58/56/53
	Dimension (W×D×H)	Outline	mm	1226×775×290	840×840×320	1700×700×245	1226×775×290	840×840×320	1700×700×245
		Package	mm	1338×837×305	963×963×409	1828×828×345	1338×837×305	963×963×409	1828×828×345
	Net weight/Gross weight		kg	57/64	38/46	65/73	57/64	38/46	65/73
Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—	950×950×60	—
		Package	mm	—	1043×1028×130	—	—	1043×1028×130	—
	Net weight/Gross weight		kg	—	6/10	—	—	6/10	—
Outdoor unit	Sound pressure level		dB(A)	61			61		
	Dimension (W×D×H)	Outline	mm	1107×440×1100			1107×440×1100		
		Package	mm	1158×483×1235			1158×483×1235		
	Net weight/Gross weight		kg	109/122			109/122		
Connection pipe	Outer diameter	Liquid	inch	φ1/2			φ1/2		
		Gas	inch	φ3/4			φ3/4		
	Max. distance	Height	m	30			30		
		Length	m	50			50		
Loading quantity		40°GP/40°HQ	set	44/59	40/50	44/58	44/59	40/50	44/58

## Cooling Only Unit

Model	Outdoor unit			GUCN18TD1AO			GUCN24TD1AO		
	Indoor unit			Duct	Cassette	Floor ceiling	Duct	Cassette	Floor ceiling
				GFH18D1BI	GKH18D1BI	GTH18D1BI	GFH24D1BI	GKH24D1BI	GTH24D1BI
Capacity	Cooling	kW	5.0	5.0	5.2	7.0	7.0	7.1	
		Btu/h	17000	17000	17700	23800	23800	24200	
EER		W/W	2.63	2.63	2.81	2.50	2.69	2.84	
Power supply		Ph/V/Hz	1/220/60	1/220/60	1/220/60	1/220/60	1/220/60	1/220/60	
Power input	Cooling	kW	1.90	1.90	1.85	2.80	2.60	2.50	
Current	Cooling	A	9.0	9.0	8.8	13.0	12.1	12.5	
Refrigerant charge volume		kg	1.9	1.9	1.9	2.1	2.1	2.1	
Indoor unit	Air flow volume		CFM	470	370	529	974	738	884
			m³/h	800	630	900	1650	1250	1500
	ESP	Rated	Pa	25	—	—	25	—	—
		Range	Pa	0~40	—	—	0~40	—	—
	Sound pressure level (H/M/L)		dB(A)	46/45/44	49/47/45	42/38/34	49/47/45	49/47/45	50/48/45
	Dimension (W×D×H)	Outline	mm	1012×736×266	630×630×230	1120×700×225	1270×530×268	840×840×240	1420×700×245
		Package	mm	1123×798×323	851×681×325	1343×823×315	1348×597×283	963×963×325	1548×828×345
	Net weight/Gross weight		kg	35/40	20/24	43/53	37/45	30/38	50/58
Panel	Dimension (W×D×H)	Outline	mm	—	650×650×40	—	—	950×950×60	—
		Package	mm	—	733×673×117	—	—	1043×1028×130	—
	Net weight/Gross weight		kg	—	4/7	—	—	6.5/10	—
Outdoor unit	Sound pressure level		dB(A)	56			56		
	Dimension (W×D×H)	Outline	mm	912×378×690			1018×412×695		
		Package	mm	997×431×740			1103×453×770		
	Net weight/Gross weight		kg	47/51			55/59		
	Connection pipe	Outer diameter	Liquid	inch	3/8			3/8	
Gas			inch	φ1/2			φ5/8		
Max. distance		Height	m	φ15			φ15		
		Length	m	20			30		
Loading quantity		40°GP/40°HQ	set	83/95	108/117	95/83	98/103	66/74	63/72

Model	Outdoor unit			GUCN30TD1AO			GUCN36TD1AO		
	Indoor unit			Duct	Cassette	Floor ceiling	Duct	Cassette	Floor ceiling
				GFH30D1BI	GKH30D1BI	GTH30D1BI	GFH36D1BI	GKH36D1BI	GTH36D1BI
Capacity	Cooling	kW	8.8	8.8	8.8	10.0	10.0	10.0	
		Btu/h	30000	30000	30000	34100	34100	34100	
EER		W/W	2.59	2.63	2.63	2.50	2.86	2.78	
Power supply		Ph/V/Hz	1/220/60	1/220/60	1/220/60	1/220/60	1/220/60	1/220/60	
Power input	Cooling	kW	3.40	3.35	3.35	4.00	3.50	3.60	
Current	Cooling	A	16.5	15.8	15.8	19.0	16.8	17.0	
Refrigerant charge volume		kg	2.9	2.9	2.9	3.4	3.4	3.4	
Indoor unit	Air flow volume		CFM	974	738	884	1473	972	1180
			m³/h	1650	1250	1500	2500	1650	2000
	ESP	Rated	Pa	37	—	—	37	—	—
		Range	Pa	0~50	—	—	0~50	—	—
	Sound pressure level (H/M/L)		dB(A)	49/47/45	49/47/45	50/48/45	55/51/48	52/50/47	55/52/47
	Dimension (W×D×H)	Outline	mm	1270×530×268	840×840×240	1420×700×245	1226×775×290	840×840×320	1420×700×245
		Package	mm	1348×597×283	963×963×325	1548×828×345	1338×837×305	963×963×409	1548×828×345
Panel	Net weight/Gross weight		kg	37/45	30/38	50/58	57/64	38/46	54/62
	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—	950×950×60	—
		Package	mm	—	1043×1028×130	—	—	1043×1028×130	—
	Net weight/Gross weight		kg	—	6.5/10	—	—	6.5/10	—
Outdoor unit	Sound pressure level		dB(A)	58			58		
	Dimension (W×D×H)	Outline	mm	980×427×790			980×427×790		
		Package	mm	1083×488×855			1083×488×855		
	Net weight/Gross weight		kg	68/76			68/76		
Connection pipe	Outer diameter	Liquid	inch	φ3/8			φ1/2		
		Gas	inch	φ5/8			φ3/4		
	Max. distance	Height	m	15			30		
		Length	m	30			50		
Loading quantity	40'GP/40'HQ	set	75/86	54/56	54/57	69/83	56/62	58/69	



Heat Pump Unit

Model	Outdoor unit			GUHN18TD1AO			GUHN24TD1AO		
	Indoor unit			Duct	Cassette	Duct	Cassette	Floor ceiling	
				GFH18D1BI	GKH18D1BI	GFH24D1BI	GKH24D1BI	GTH24D1BI	
Capacity	Cooling	kW	5.0	5.0	7.0	7.0	7.0		
		Btu/h	17000	17000	23800	23800	23800		
	Heating	kW	5.5	5.4	7.5	7.1	7.5		
		Btu/h	18800	18400	25600	24200	25600		
EER/COP		W/W	2.63/2.89	2.63/2.70	2.59/2.88	2.69/2.84	2.69/3.00		
Power supply		Ph/V/Hz	1/220/60	1/220/60	1/220/60	1/220/60	1/220/60		
Power input	Cooling	kW	1.90	1.90	2.70	2.60	2.60		
	Heating	kW	1.90	2.00	2.60	2.50	2.50		
Current input	Cooling	A	9.0	9.0	13.0	12.5	12.5		
	Heating	A	9.0	9.4	12.6	12.4	11.8		
Refrigerant charge volume		kg	1.9	1.9	2.1	2.1	2.1		
Indoor unit	Air flow volume	CFM	470	370	974	738	884		
		m³/h	800	630	1650	1250	1500		
		ESP	Rated	Pa	25	—	—	—	
	Range	Pa	0~40	—	0~40	—	—		
	Sound pressure level (H/M/L)		dB(A)	46/45/44	49/47/45	49/47/45	50/48/45		
	Dimension (W×D×H)	Outline	mm	1012×736×266	630×630×230	1270×530×268	840×840×240	1420×700×245	
		Package	mm	1123×798×323	851×681×325	1348×597×283	963×963×325	1548×828×345	
	Net weight/Gross weight		kg	35/40	20/24	37/45	30/38	50/58	
Panel	Dimension (W×D×H)	Outline	mm	—	650×650×40	—	950×950×60	—	
		Package	mm	—	733×673×117	—	1043×1028×130	—	
	Net weight/Gross weight		kg	—	4/7	—	6.5/10	—	
Outdoor unit	Sound pressure level		dB(A)	56			56		
	Dimension (W×D×H)	Outline	mm	912×378×690			1018×412×695		
		Package	mm	997×431×740			1103×453×770		
	Net weight/Gross weight		kg	48/52			55/59.5		
Connection pipe	Outer diameter	Liquid	inch	φ3/8			φ3/8		
		Gas	inch	φ1/2			φ5/8		
	Max. distance	Height	m	15			15		
		Length	m	20			30		
Loading quantity		40°GP/40°HQ	set	108/117	108/117	98/103	66/74	63/72	

Model	Outdoor unit			GUHN36TF1AO		GUHN36TF1AO	
	Indoor unit			Cassette	Floor ceiling	Cassette	Floor ceiling
				GKH36D1BI	GTH36D1BI	GKH36D1BI	GTH36D1BI
Capacity	Cooling	kW	10.5	10.5	10.5	10.5	
		Btu/h	36000	36000	36000	36000	
	Heating	kW	11.0	11.5	11.0	11.5	
		Btu/h	37500	39200	37500	39200	
EER/COP		W/W	2.692/2.821	2.62/3.108	2.69/2.821	2.62/3.108	
Power supply		Ph/V/Hz	3/220/60	3/220/60	3/380/60	3/380/60	
Power input	Cooling	kW	3.90	4.00	3.90	4.00	
	Heating	kW	3.90	3.70	3.90	3.70	
Current input	Cooling	A	13.0	13.5	6.5	6.6	
	Heating	A	13.0	12.6	6.5	6.2	
Refrigerant charge volume		kg	3.6	3.6	3.6	3.6	
Indoor unit	Air flow volume		CFM	972	1180	972	1180
			m³/h	1650	2000	1650	2000
			ESP	Rated	Pa	—	—
	Range	Pa		—	—	—	—
	Sound pressure level (H/M/L)		dB(A)	52/50/47	55/52/47	52/50/47	55/52/47
	Dimension (W×D×H)	Outline	mm	840×840×320	1420×700×245	840×840×320	1420×700×245
		Package	mm	963×963×409	1548×828×345	963×963×409	1548×828×345
	Net weight/Gross weight		kg	38/46	54/62	38/46	54/62
Panel	Dimension (W×D×H)	Outline	mm	950×950×60	—	950×950×60	—
		Package	mm	1043×1028×130	—	1043×1028×130	—
	Net weight/Gross weight		kg	6.5/10	—	6.5/10	—
Outdoor unit	Sound pressure level		dB(A)	60		60	
	Dimension (W×D×H)	Outline	mm	1018×412×840		1018×412×840	
		Package	mm	1103×453×1000		1103×453×1000	
	Net weight/Gross weight		kg	89/96		89/96	
Connection pipe	Outer diameter	Liquid	inch	φ1/2		φ1/2	
		Gas	inch	φ3/4		φ3/4	
	Max. distance	Height	m	30		30	
		Length	m	50		50	
Loading quantity		40°GP/40°HQ	set	54/61	55/60	54/61	55/60

Model	Outdoor unit			GUHN18TD1AO			GUHN24TD1AO		
	Indoor unit			Duct	Cassette	Floor ceiling	Duct	Cassette	Floor ceiling
				GFH18D1BI	GKH18D1BI	GTH18D1BI	GFH24D1BI	GKH24D1BI	GTH24D1BI
Capacity	Cooling	kW	8.5	8.5	8.8	10.0	10.0	10.0	
		Btu/h	29000	29000	30000	34100	34100	34100	
	Heating	kW	9.3	9.3	9.3	10.7	10.3	10.7	
		Btu/h	31700	31700	31700	36500	35100	36500	
EER/COP			W/W	2.46/2.74	2.54/2.82	2.63/2.82	2.53/0.57	2.857/2.861	2.778/3.344
Power supply			Ph/V/Hz	1/220/60	1/220/60	1/220/60	1/220/60	1/220/60	1/220/60
Power input	Cooling	kW	3.45	3.35	3.35	4.00	3.50	3.60	
	Heating	kW	3.40	3.30	3.30	3.50	3.60	3.20	
Current input	Cooling	A	16.5	16.0	16.0	19.0	16.8	17.0	
	Heating	A	16.0	15.5	15.8	16.0	17.2	15.0	
Refrigerant charge volume			kg	2.9	2.9	2.9	3.4	3.4	3.4
Indoor unit	Air flow volume		CFM	974	738	884	1473	972	1180
			m³/h	1650	1250	1500	2500	1650	2000
			ESP	Rated	Pa	37	—	—	37
		Range	Pa	0-50	—	—	0-50	—	—
	Sound pressure level (H/M/L)		dB(A)	49/47/45	49/47/45	50/48/45	55/51/48	52/50/47	55/52/47
	Dimension (W×D×H)	Outline	mm	1270×530×268	840×840×240	1420×700×245	1226×775×290	840×840×320	1420×700×245
		Package	mm	1348×597×283	963×963×325	1548×828×345	1338×837×305	963×963×409	1548×828×345
	Net weight/Gross weight		kg	37/45	30/38	50/58	57/64	38/46	54/62
Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—	950×950×60	—
		Package	mm	—	1043×1028×130	—	—	1043×1028×130	—
	Net weight/Gross weight		kg	—	6.5/10	—	—	6.5/10	—
Outdoor unit	Sound pressure level		dB(A)	58			58		
	Dimension (W×D×H)	Outline	mm	980×427×790			980×427×790		
		Package	mm	1083×488×855			1083×488×855		
	Net weight/Gross weight		kg	68/76			68/76		
Connection pipe	Outer diameter	Liquid	inch	φ3/8			φ1/2		
		Gas	inch	φ5/8			φ3/4		
	Max. distance	Height	m	15			30		
		Length	m	30			50		
Loading quantity		40'GP/40'HQ	set	75/86	54/56	54/57	69/83	56/62	58/69

Model	Outdoor unit			GUHN42TD1AO			GUHN42TF1AO		
	Indoor unit		Duct	Cassette	Floor ceiling	Duct	Cassette	Floor ceiling	
			GFH42D1BI	GKH42D1BI	GTH42D1BI	GFH42D1BI	GKH42D1BI	GTH42D1BI	
Capacity	Cooling	kW	12.3	12.0	12.3	12.3	12.0	12.3	
		Btu/h	42000	41000	42000	42000	41000	42000	
	Heating	kW	14.0	14.0	14.0	14.0	14.0	14.0	
		Btu/h	48000	48000	48000	48000	48000	48000	
EER/COP		W/W	2.43/2.59	2.60/2.65	2.62/2.86	2.43/2.64	2.61/2.85	2.62/2.86	
Power supply		Ph/V/Hz	1/220/60	1/220/60	1/220/60	3/220/60	3/220/60	3/220/60	
Power input	Cooling	kW	5.07	4.62	4.70	5.07	4.60	4.70	
	Heating	kW	5.40	5.28	4.90	5.30	4.91	4.90	
Current input	Cooling	A	25.5	23.0	23.5	15.5	14.5	14.5	
	Heating	A	27.5	25.0	22.5	17.1	14.0	14.5	
Refrigerant charge volume		kg	4.5	4.5	4.5	4.5	4.5	4.5	
Indoor unit	Air flow volume		CFM	1410	972	1090	1410	972	1090
			m³/h	2400	1650	1850	2400	1650	1850
			ESP	Rated	Pa	37	—	—	37
	Range	Pa		0~37	—	—	0~37	—	—
	Sound pressure level (H/ML)		dB(A)	55/51/48	52/50/47	55/52/47	55/51/48	52/50/47	55/52/47
	Dimension (W×D×H)	Outline	mm	1226×775×290	840×840×320	1420×700×245	1226×775×290	840×840×320	1420×700×245
		Package	mm	1338×837×305	963×963×409	1548×828×345	1338×837×305	963×963×409	1548×828×345
	Net weight/Gross weight		kg	57/64	38/46	57/65	57/64	38/46	57/65
	Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—	950×950×60
Package			mm	—	1043×1028×130	—	—	1043×1028×130	—
Net weight/Gross weight		kg	—	6.5/10	—	—	6.5/10	—	
Outdoor unit	Sound pressure level		dB(A)	61			61		
	Dimension (W×D×H)	Outline	mm	1107×440×1100			1107×440×1100		
		Package	mm	1158×483×1235			1158×483×12355		
	Net weight/Gross weight		kg	109/122			109/122		
Connection pipe	Outer diameter	Liquid	inch	φ1/2			φ1/2		
		Gas	inch	φ3/4			φ3/4		
	Max. distance	Height	m	30			30		
		Length	m	50			50		
Loading quantity		40'GP/40'HQ	set	46/62	44/52	43/57	46/62	44/52	43/57



# U-Match

R22

## High Efficiency Series

It is a kind of split system that the outdoor unit can be freely connected to different types of indoor units according to various indoor decoration requirements.



Quality motor



Comprehensive protection



Quiet function



Compact design



Easier maintainability

- Highly reliable compressor which is capable of operating under extreme condition.
- Double ambient temperature sensor design makes a precision temperature monitoring.
- Low start-up current thanks to power delay control design.
- Flexible air in/outlet and condensing water outlet direction according to different installation requirements.
- Flexible design for installation, the air return can be either from bottom or rear, as well as the alternative drain water connections.
- Optimized air duct design improves the performance and lower the noise.

Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	
Cooling	35	24	27	19	21~52
Heating	7	6	20	15	-7~24

Capacity Index (Btu/h)	18K	24K	30K	36K	42K	48K	60K
Outdoor Unit							
	GUHN18TD1A2O GUCN18TD1A2O	GUHN24TD1A2O GUCN24TD1A2O	GUHN30TD1A2O GUCN30TD1A2O	GUHN36TD1A2O GUCN36TD1A2O	GUHN42TF1A2O GUCN42TH1A2O	GUHN48TF1A2O GUHN48TH1A2O GUHN60TH1A2O GUCN60TF1A2O GUCN60TH1A2O	GUHN60TF1A2O GUCN60TH1A2O
Indoor Unit							
	GFH18D1B2I	GFH24D1B2I	GFH30D1B2I	GFH36D1B2I	GFH42D1B2I	GFH48D1B2I	GFH60D1B2I

Model	Outdoor unit		Cooling only	GUCN18TD1A2O	GUCN24TD1A2O	GUCN30TD1A2O	GUCN36TD1A2O	GUCN42TH1A2O
			Heat pump	GUHN18TD1A2O	GUHN24TD1A2O	GUHN30TD1A2O	GUHN36TD1A2O	GUHN42TF1A2O
	Indoor unit			Duct	Duct	Duct	Duct	Cassette
Cooling only	Capacity	Cooling	W	5200	7050	8410	9400	12300
			Btu/h	18000	24100	29000	32000	42000
	EER		W/W	2.67	2.83	2.67	2.67	2.73
	Power input	Cooling	kW	1.95	2.50	3.17	3.51	4.50
	Current input	Cooling	A	9.4	11.5	15.0	17.0	14.5
	Refrigerant charge volume		kg	1.70	2.10	2.85	3.30	3.80
Heat Pump	Capacity	Cooling/Heating	W	5200/5700	7000/7600	8380/9000	9400/10000	12100/14000
			Btu/h	18000/19500	24000/25900	28600/30700	32000/34100	41000/47700
	EER/COP		W/W	2.67/3.10	2.80/3.25	2.67/2.75	2.67/3.35	2.71/3.05
	Power input	Cooling/Heating	kW	1.95/1.85	2.50/2.34	3.14/3.27	3.51/2.98	4.46/4.59
	Current input	Cooling/Heating	A	9.4/8.8	11.5/11.0	15.5/15.5	17.0/15.0	14.5/15.0
	Power supply		Ph/V/Hz	1/220/60	1/220/60	1/220/60	1/220/60	1/220/60
	Refrigerant charge volume		kg	1.7	2.10	2.85	3.30	3.90
	Air flow volume		CFM	647	942	883	1354	1354
Indoor unit			m³/h	1100	1600	1500	2300	2300
	ESP	Rated	Pa	25	25	37	37	37
		Range	Pa	0-75	0-75	0-75	0-150	0-150
	Sound pressure level (H/M/L)		dB(A)	42/40/38	46/45/41	48 / 46/44	52/47/45	53/47/45
	Dimension (WxDxH)	Outline	mm	1016×722×266	1270 ×550 ×268	1270 ×550 ×268	1223×775×290	1223×775×290
		Package	mm	1123×798×323	1348 ×597×283	1348 ×597×283	1338×837×305	1338×837×305
Outdoor unit	Net weight/Gross weight		kg	35/41	35/40	35/40	54/61	54/61
			dB(A)	56	57	58	61	61
	Dimension (WxDxH)	Outline	mm	955×396×700	1000×427×790	1000×427×790	1000×427×790	1000×440×1100
		Package	mm	1029×458×750	1143×483×880	1143×483×880	1143×483×880	1138×478×1150
	Net weight/ Gross weight	Cooling only	kg	51/55	65/70	75/80	76/81	111/121
		Heat pump	kg	52/56	67/71	77/81	78/83	113/122
Connection pipe	Outer diameter	Liquid	inch	φ1/4	φ3/8	φ3/8	φ1/2	φ1/2
		Gas	inch	φ1/2	φ5/8	φ5/8	φ3/4	φ3/4
	Height		m	15	15	15	30	30
	Max. distance	Length	m	30	30	30	50	50
Loading quantity		40'GP/40'HQ	set	89/102	80/92	80/92	64/80	46/62

Model	Outdoor unit		Cooling only	GUCN42TF1A2O	GUCN48TF1A2O	GUCN48TH1A2O	GUCN60TH1A2O	GUCN60TF1A2O
			Heat pump	GUHN42TH1A2O	GUHN48TH1A2O	GUHN60TH1A2O	GUHN60TF1A2O	GUHN60TF1A2O
	Indoor unit			Cassette	Duct	Duct	Duct	Duct
Cooling only	Capacity	Cooling	W	12200	14000	14000	16100	16200
			Btu/h	41600	48000	48000	55000	55500
	EER		W/W	2.75	2.57	2.57	2.66	2.70
	Power input	Cooling	kW	4.44	5.45	5.45	6.05	6.00
	Current input	Cooling	A	7.80	16.8	9.0	18.0	10.2
	Refrigerant charge volume		kg	3.90	4.40	4.40	6.00	5.60
Heat Pump	Capacity	Cooling/Heating	W	12200/14000	14000/15500	14000/15500	16100/18100	16200/17500
			Btu/h	41600/47700	48000/52900	48000/52900	55000/62000	55500/59700
	EER/COP		W/W	2.71/3.25	2.55/3.00	2.55/3.00	2.66/3.35	2.66/3.25
	Power input	Cooling/Heating	kW	4.50/4.31	5.50/5.20	5.50/5.20	6.05/5.40	6.10/5.40
	Current input	Cooling/Heating	A	8.0/7.7	17.0/16.0	9.5/9.0	18.0/16.0	10.5/9.5
	Power supply		Ph/V/Hz	1/220/60	1/220/60	1/220/60	1/220/60	1/220/60
	Refrigerant charge volume		kg	4.10	4.40	4.40	6.00	5.60
	Air flow volume		CFM	1354	1589	1589	2001	2001
Indoor unit			m³/h	2300	2700	2700	3400	3400
	ESP	Rated	Pa	37	50	50	50	50
		Range	Pa	0-150	0-150	0-150	0-150	0-150
	Sound pressure level (H/M/L)		dB(A)	53/47/45	52/49/46	52/49/46	54/50/46	54/50/46
	Dimension (WxDxH)	Outline	mm	1223×775×290	1198×818×334	1198×818×334	1450×795×386	1450×795×386
		Package	mm	1338×837×305	1338×885×345	1338×885×345	1543×883×470	1543×883×470
Outdoor unit	Net weight/Gross weight		kg	54/61	62/69	62/69	88/107	88/107
			dB(A)	61	60	60	63	63
	Dimension (WxDxH)	Outline	mm	1000×440×1100	1000×427×1365	1000×427×1365	1000×427×1365	1000×427×1365
		Package	mm	1138×478×1150	1153×493×1510	1153×493×1510	1153×493×1510	1153×493×1510
	Net weight/ Gross weight	Cooling only	kg	111/121	125/137	125/137	128/140	128/140
		Heat pump	kg	113/122	127/140	127/140	130/142	130/142
Connection pipe	Outer diameter	Liquid	inch	φ1/4	φ3/8	φ3/8	φ1/2	φ1/2
		Gas	inch	φ1/2	φ5/8	φ5/8	φ3/4	φ3/4
	Height		m	30	30	30	30	30
	Max. distance	Length	m	50	50	50	50	50
Loading quantity		40'GP/40'HQ	set	46/62	43/46	43/46	31/31	31/39

# 60Hz U-Match

Model	Outdoor Unit			GUHD18ND3FO	GUHD18ND3FO	GUHD18ND3FO	GUHD18ND3FO	GUHD24ND3FO
	Type			Duct	Duct with water pump	Cassette	Floor Ceiling	Duct
	Indoor unit			GFH18D3FI	GFH18D3FI	GKH18D3FI	GTH18D3FI	GFH24D3FI
Total Capacity	Cooling	kW	5.00	5.00	5.00	5.00	7.00	
		Btu/h	17060	17060	17060	17060	23884	
	Heating	kW	5.60	5.60	5.50	5.60	8.00	
		Btu/h	19107.2	19107.2	18766	19107.2	27296	
EER / C.O.P		W/W	3.23/3.61	3.23/3.61	3.12/3.48	3.23/3.61	3.21/3.62	
		Btu/h.W	11.01/12.33	11.01/12.33	10.66/11.88	11.01/12.33	10.96/12.35	
Electrical Data	Power supply		V-Hz-Ph	220-240-60-1	220-240-60-1	220-240-60-1	220-240-60-1	220-240-60-1
	Power	Cooling	kW	1.55	1.55	1.60	1.55	2.18
	input	Heating	kW	1.55	1.55	1.58	1.55	2.21
	Input	Cooling	A	7.50	7.50	7.20	7.20	10.10
	current	Heating	A	7.40	7.40	7.60	7.20	10.20
Indoor Unit	Sound Pressure Level (H/M/L)*		dB (A)	39/36/28	39/36/28	46/44/37	42/38/32	46/44/40
	Air Flow Volume(rated EXP)		CFM	588.5	588.5	447.26	588.5	823.9
			m³/h	1000	1000	760	1000	1400
	External Static	Rated	Pa	25	25	0	0	25
			InWg	0.1	0.1	0	0	0.1
	Pressure	Range	Pa	0-30	0-30	0	0	0-75
			InWg	0-0.12	0-0.12	0.00	0.00	0-0.3
	Outline dimension (W×D×H)		mm	1037×721×266	1037×721×266	596×596×240	1220×700×225	1279×558×268
	Package dimension (L×W×H)		mm	1123×798×323	1123×798×323	773×733×300	1343×823×315	1348×597×283
	Net Weight		kg	33.0	33.0	20.0	39.0	34.0
	Gross Weight		kg	38.0	38.0	24.0	48.0	39.0
	Panel	Outline dimension (W×D×H)		mm	/	/	670×670×50	/
Package dimension (W×D×H)		mm	/	/	763×763×105	/	/	
Net Weight		kg	/	/	3.5	/	/	
Gross Weight		kg	/	/	5.0	/	/	
outdoor Unit	Outline dimension (W×D×H)		mm	955×396×700	955×396×700	955×396×700	955×396×700	980×427×790
	Package dimension (L×W×H)		mm	1029X458X750	1029X458X750	1029X458X750	1029X458X750	1083X488X855
	Net Weight		kg	47.0	47.0	47.0	47.0	67.0
	Gross Weight		kg	50.0	50.0	50.0	50.0	72.0
Connection Pipe	Outer	Liquid Pipe	Inch	1/4	1/4	1/4	1/4	3/8
		Gas Pipe	Inch	1/2	1/2	1/2	1/2	5/8
	Max	Height	m	15	15	15	15	15
	Distance	Length	m	20	20	20	20	30
Loading quantity	Outdoor Unit and Indoor Unit (within panel)		20"GP	42	42	38	42	39
			40"GP	93	93	95	89	76
			40"HQ	95	95	105	97	89

Model	Outdoor Unit			GUHD24ND3FO	GUHD24ND3FO	GUHD24ND3FO	GUHD36ND3FO	GUHD36ND3FO
	Type			Duct with water pump	Cassette	Floor Ceiling	Duct	Duct with water pump
	Indoor unit			GFH24D3FI	GKH24D3FI	GTH24D3FI	GFH36D3FI	GFH36D3FI
Total Capacity	Cooling	kW	7.00	7.00	7.00	10.00	10.00	
		Btu/h	23884	23884	23884	34120	34120	
	Heating	kW	8.00	8.00	8.00	12.00	12.00	
		Btu/h	27296	27296	27296	40944	40944	
EER / C.O.P		W/W	3.21/3.62	3.21/3.62	3.21/3.62	3.12/3.53	3.12/3.53	
		Btu/h.W	10.96/12.35	10.96/12.35	10.96/12.35	10.66/12.04	10.66/12.04	
Electrical Data	Power supply		V-Hz-Ph	220-240-60-1	220-240-60-1	220-240-60-1	220-240-60-1	220-240-60-1
	Power	Cooling	kW	2.18	2.18	2.18	3.20	3.20
	input	Heating	kW	2.21	2.21	2.21	3.40	3.40
	Input	Cooling	A	10.10	10.10	10.10	15.00	15.00
	current	Heating	A	10.20	10.20	10.20	15.50	15.50
Indoor Unit	Sound Pressure Level (H/M/L)*		dB (A)	46/44/40	46/42/38	48/46/40	52/48/44	52/48/44
	Air Flow Volume(rated EXP)		CFM	823.9	765.05	706.2	1235.85	1235.85
			m³/h	1400	1300	1200	2100	2100
	External Static	Rated	Pa	25	0	0	37	37
			InWg	0.1	0	0	0.148	0.148
	Pressure	Range	Pa	0-75	0	0	0-100	0-100
			InWg	0-0.3	0.00	0.00	0-0.4	0-0.4
	Outline dimension (W×D×H)		mm	1279×558×268	840×840×240	1220×700×225	1226×775×290	1226×775×290
	Package dimension (L×W×H)		mm	1348×597×283	963×963×325	1343×823×315	1338×877×305	1338×877×305
	Net Weight		kg	34.0	26.0	40.0	46.0	46.0
	Gross Weight		kg	39.0	32.0	50.0	53.0	53.0
	Panel	Outline dimension (W×D×H)		mm	/	950×950×60	/	/
Package dimension (W×D×H)		mm	/	1028×1043×130	/	/	/	
Net Weight		kg	/	7	/	/	/	
Gross Weight		kg	/	11	/	/	/	
outdoor Unit	Outline dimension (W×D×H)		mm	980×427×790	980×427×790	980×427×790	1107×440×1100	1107×440×1100
	Package dimension (L×W×H)		mm	1083X488X855	1083X488X855	1083X488X855	1158X493X1235	1158X493X1235
	Net Weight		kg	67.0	67.0	67.0	92.0	92.0
	Gross Weight		kg	72.0	72.0	72.0	100.0	100.0
Connection Pipe	Outer	Liquid Pipe	Inch	3/8	3/8	3/8	3/8	3/8
		Gas Pipe	Inch	5/8	5/8	5/8	5/8	5/8
	Max	Height	m	15	15	15	15	15
	Distance	Length	m	30	30	30	30	30
Loading quantity	Outdoor Unit and Indoor Unit (within panel)		20"GP	39	28	29	22	22
			40"GP	76	64	70	45	45
			40"HQ	89	71	86	60	60



Model	Outdoor Unit		GUHD36ND3FO	GUHD36ND3FO	GUHD48ND3FO	GUHD48ND3FO	GUHD48ND3FO	
	Type		Cassette	Floor Ceiling	Duct	Duct with water pump	Cassette	
	Indoor unit		GKH36D3FI	GTH36D3FI	GFH48D3FI	GFH48D3FI	GKH48D3FI	
Total Capacity	Cooling	kW	10.00	10.00	14.00	14.00	14.00	
		Btu/h	34120	34120	47768	47768	47768	
EER / C.O.P	Heating	kW	12.00	12.00	15.50	15.50	16.00	
		Btu/h	40944	40944	52886	52886	54592	
		W/W	3.12/3.43	3.12/3.53	2.98/3.52	2.98/3.52	3.04/3.56	
		Btu/h.W	10.66/11.70	10.66/12.04	10.16/12.02	10.16/12.02	10.38/12.13	
Electrical Data	Power supply		V-Hz-Ph	220-240-60-1	220-240-60-1	220-240-60-1	220-240-60-1	
	Power	Cooling	kW	3.20	3.20	4.70	4.60	
	input	Heating	kW	3.50	3.40	4.40	4.50	
	Input	Cooling	A	15.00	15.00	21.80	21.30	
	current	Heating	A	16.20	15.80	20.40	20.80	
Indoor Unit	Sound Pressure Level (H/M/L)*		dB (A)	49/46/43	53/51/46	53/49/45	52/47/41	
	Air Flow Volume(rated EXP)		CFM	1094.61	1118.15	1412.4	1353.55	
			m³/h	1860	1900	2400	2300	
	External Static Pressure	Rated	Pa	0	0	50	0	
			InWg	0	0	0.2	0	
	Pressure	Range	Pa	0	0	0-125	0	
			InWg	0.00	0.00	0-0.5	0.00	
	Outline dimension (W×D×H)		mm	840×840×320	1420×700×245	1340×750×350	910×910×290	
	Package dimension (L×W×H)		mm	963×963×409	1548×828×345	1423×837×455	1023×993×375	
	Net Weight		kg	31.0	48.0	56.0	43.0	
	Gross Weight		kg	38.0	56.0	65.0	50.0	
	Panel	Outline dimension (W×D×H)		mm	950×950×60	/	/	1040×1040×65
		Package dimension (W×D×H)		mm	1028×1043×130	/	/	1137×1137×140
Net Weight		kg	7	/	/	8		
Gross Weight		kg	11	/	/	12		
outdoor Unit	Outline dimension (W×D×H)		mm	1107×440×1100	1107×440×1100	958×412×1349	958×412×1349	
	Package dimension (L×W×H)		mm	1158X493X1235	1158X493X1235	1043X453X500	1043X453X500	
	Net Weight		kg	92.0	92.0	105.0	105.0	
	Gross Weight		kg	100.0	100.0	115.0	115.0	
Connection Pipe	Outer Diameter	Liquid Pipe	Inch	3/8	3/8	3/8	3/8	
		Gas Pipe	Inch	5/8	5/8	5/8	5/8	
	Distance	Height	m	15	15	30	30	
		Length	m	30	30	50	50	
Loading quantity	Outdoor Unit and Indoor Unit (within panel)		20'GP	19	20	17	20	
			40'GP	43	45	38	43	
			40'HQ	50	56	48	50	

Model	Outdoor Unit		GUHD48ND3FO	GUHD60ND3FO	GUHD60ND3FO	GUHD60ND3FO	GUHD60ND3FO
	Type		Floor Ceiling	Duct	Duct with water pump	Cassette	Floor Ceiling
	Indoor unit		GTH48D3FI	GFH60D3FI	GFH60D3FI	GKH60D3FI	GTH60D3FI
Total Capacity	Cooling	kW	14.00	16.00	16.00	16.00	16.00
		Btu/h	47768	54592	54592	54592	54592
	Heating	kW	16.00	17.00	17.00	17.00	17.00
		Btu/h	54592	58004	58004	58004	58004
EER / C.O.P		W/W	2.92/3.72	2.76/3.54	2.76/3.54	2.67/3.4	2.67/3.4
		Btu/h.W	9.95/12.70	9.41/12.08	9.41/12.08	9.1/11.6	9.1/11.6
Electrical Data	Power supply		V-Hz-Ph	220-240-60-1	220-240-60-1	220-240-60-1	220-240-60-1
	Power	Cooling	kW	4.80	5.80	5.80	6.00
	input	Heating	kW	4.30	4.80	4.80	5.00
	Input	Cooling	A	22.30	23.00	23.00	23.00
	current	Heating	A	20.00	22.00	22.00	22.00
Indoor Unit	Sound Pressure Level (H/M/L)*		dB (A)	55/50/46	56/54/49	56/54/49	53/47/41
	Air Flow Volume(rated EXP)		CFM	1353.55	1766	1766	1412
			m³/h	2300	3000	3000	2400
	External Static Pressure	Rated	Pa	0	50	50	0
			InWg	0	0.20	0.20	0
		Range	Pa	0	0-150	0-150	0
			InWg	0.00	0-0.6	0-0.6	0.00
	Outline dimension (W×D×H)		mm	1700×700×245	1340X750X350	1340X750X350	910X910X290
	Package dimension (L×W×H)		mm	1828×828×345	1420X834X440	1420X834X440	1020X990X360
	Net Weight		kg	59.0	57.0	57.0	43.0
Gross Weight		kg	68.0	71.0	71.0	50.0	
Panel	Outline dimension (W×D×H)		mm	/	/	/	1040×1040×65
	Package dimension (W×D×H)		mm	/	/	/	1137×1137×140
	Net Weight		kg	/	/	/	8
	Gross Weight		kg	/	/	/	12
outdoor Unit	Outline dimension (W×D×H)		mm	958×412×1349	1085X427X1365	1085X427X1365	1085X427X1365
	Package dimension (L×W×H)		mm	1043X453X500	1135X475X1505	1135X475X1505	1135X475X1505
	Net Weight		kg	105.0	121.0	121.0	121.0
	Gross Weight		kg	115.0	133.0	133.0	133.0
Connection Pipe	Outer Diameter	Liquid Pipe	Inch	3/8	3/8"	3/8"	3/8"
		Gas Pipe	Inch	5/8	3/4"	3/4"	3/4"
	Max	Height	m	30	30	30	30
	Distance	Length	m	50	50	50	50
Loading quantity	Outdoor Unit and Indoor Unit (within panel)		20'GP	17	18	18	18
			40'GP	43	40	40	40
			40'HQ	47	40	40	40

Function	Solar AC	U-Crown	Hansol	U-cool	Lomo	Cozy	Change	BEE
Automatic Operation	●	●	●	●	●	●	●	●
Cooling	●	●	●	●	●	●	●	●
Heating	●	●	●	●	●	●	●	●
Dehumidify	●	●	●	●	●	●	●	●
Fan	●	●	●	●	●	●	●	●
Wifi Function		●						
0.5W standby					●			
G10 technology	●	●	●	●	●	●	●	●
1Hz inverter technology		●						
Energy Saving	●	●	●	●	●	●	●	●
Sleep Mode	●	●	●	●	●	●	●	●
3 Sleep Curve		●	●	●				
3D Auto Swing (Vertical & Horizontal Auto Swing)		●	●		●			
Up&down swing		●	●	●	●	●	●	●
Left&right swing		●	●		●			
Fixed-angle swing	●	●	●	●	●	●	●	●
7 fan speeds		●	●	●				
4 fan speeds	●				●	●	●	●
Turbo cooling & heating	●	●	●	●	●	●	●	●
Quiet		●	●	●				
I Feel	●	●	●	●	●	●	●	●
Intelligent Preheating	●	●	●	●	●	●	●	●
Intelligent Defrosting	●	●	●	●	●	●	●	●
Auto Clean	●	●	●	●	●	●	●	●
Dry Anti-Mildew Design	●	●	●	●	●	●	●	●
Catechin filter	●	●	●	●	●	●	●	●
Activated carbon	●	●	●	●	●	●	●	●
Biological sterilization electrostatic filter	●	●	●	●	●	●	●	●
Nanoscale photocatalyst deodorization filter	●	●	●	●	●	●	●	●
Cold catalyst	●	●	●	●	●	●	●	●
Photocatalyst	●	●	●	●	●	●	●	●
DL catalyst ozone filter	●	●	●	●	●	●	●	●
Electrostatic filter	●	●	●	●	●	●	●	●
Silver iron filter	●	●	●	●	●	●	●	●
Mite and bacteria filter	●	●	●	●	●	●	●	●
Tricolor filter (Vitamin C, etc)	●	●	●	●	●	●	●	●
Auto Clean	●	●	●	●	●	●	●	●
Fresh Air		●		●				
Timer	●	●	●	●	●	●	●	●
Random auto restart					●			

Function	Solar AC	U-Crown	Hansol	U-cool	Lomo	Cozy	Change	BEE
Soft Start	●	●	●	●	●	●	●	●
Self Diagnosis	●	●	●	●	●	●	●	●
Freon-lacking protection	●	●	●	●	●	●	●	●
High/low voltage protection	●	●	●	●	●	●	●	●
Compressor Electric Heater Function		●	●		●	●	●	●
Chassis Electric Heater Function		●	●		●	●	●	●
-18℃ low ambient cooling		●	●		●	●		
-15℃ low ambient Heating					●	●	●	
-20℃ low ambient Heating		●	●					
2-Stage compressor		●						
Timer	●	●	●	●	●	●	●	●
Temperature	●	●	●	●	●	●	●	●
Auto Restart	●	●	●	●	●	●	●	●
Lock	●	●	●	●	●	●	●	●
LED	●	●	●	●	●	●	●	●
Indoor unit matching for one-to-one and one-to-more			●	●	●	●		●
Wire controller optional			●		●	●		●
Ultra-thin design		●		●				
Double sided drainage	●	●	●	●	●	●	●	●